

February 29, 2000

MAC 9 6 2000

United States Department of Interior Bureau of Land Management Vernal District Office ATTN: Margie Herrmann 170 South 500 East Vernal, Utah 84078-2799 DIMICION OF OIL, CAS AND MINING

RE:

West Point 12-5-9-16

NWSW Section 5, T9S, R16E Duchesne County, Utah

Dear Ms. Herrmann:

Enclosed please find the Application for Permit to Drill the West Point 12-5-9-16 well, submitted in triplicate, for your review and approval.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Anita L. Shipman

Operations Secretary

Enc: Form 3160-3 (3 copies)

cc:

State of Utah

Division of Oil, Gas & Mining

ATTN: Lisha Cordova

1594 West North Temple – Suite 1210

Shipman !

P. O. Box 145801

Salt Lake City, Utah 84114-5801

FORM 3160-3 (December 1990)

#### SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires December 31, 1991

UNITED STAT
DEPARTMENT OF THE INTERIOR
BURFAU OF LAND MANAGEMENT

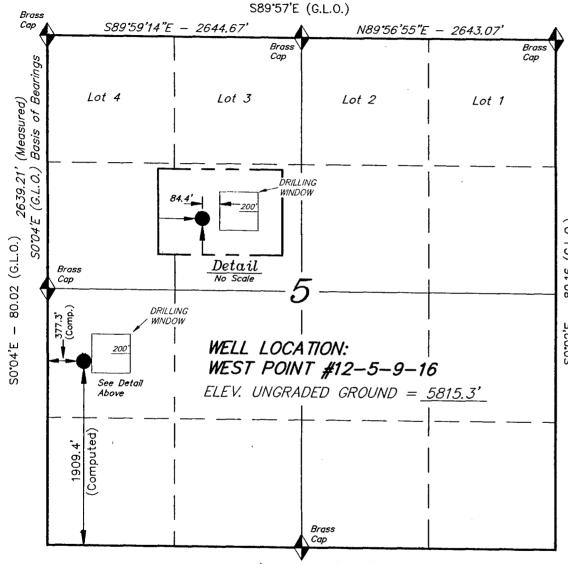
DEPARTMENT OF THE INBUREAU OF LAND MANAG				5. LEASE DESIGNATION AND UTU-7	
				6. IF INDIAN, ALOTTEE OR T	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			NA NA		
la. TYPE OF WORK DRILL X DEEPEN				7. UNIT AGREEMENT NAME West Point Unit	
1b. TYPE OF WELL	SINGLE	MULTIPLE		8. FARM OR LEASE NAME	
OIL GAS WELL MELL OTHER		ZONE	]	West Point	
2 NAME OF OPERATOR Inland Production Company				9. WELL NO. 12-5-9-16	
3. ADDRESS OF OPERATOR				10. FIELD AND POOL OR WII	DCAT
410 - 17th Street, Suite 700, Denver, CO 8		e: (303) 893-01	02	Monument Butte	
4. LOCATION OF WELL (Report location clearly and in accordance with At Surface NWSW 377.3' FWL & 1909.4' FSL	any State requirements.*)	1481/31/2011 -		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed Prod. Zone	•	5791747			.40=
A DICTANCE BLAIR DE AND DEDECTION FROM AND A DECEMBRICADOR OF DOC	TOFFICE*			Section 5, T9S, F	13. STATE
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POS Approximately 12 miles from Myton,				Duchesne	UT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY	16. NO. OF ACRES IN LEASE	17. NO. OF ACRE	S ASSIGNED TO	O THIS WELL	
OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  Approx 377' E of Lse Line & W of Unit Line	120	40	·		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 1023'	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR C			
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  5815' GR				DATE WORK WILL START*  I arter 2000	
23. PROPOSED CASING AND CEMENTING PROGR	RAM				
SIZE OF HOLE SIZE OF CASING WEIGHT	/FOOT	SETTING DEPTH	QUANTITY	OF CEMENT	
	lina Program/Cas	ing Design	<del> </del>	· · · · · · · · · · · · · · · · · · ·	
Refer to Monument Butte Field SOP's Dri	illy Flograniicas	ing Design	<del>                                     </del>		
Inland Production Company propose The Conditions of Approval are also		l in accordance	with the	attached exhibits	
				FAR 28	2300
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal					
If proposal is to drill or deepen directionally, give pertinent data on subsur	rface locations and measured ar	nd true vertical depths. Giv	e blowout prev	venter program, if any.	
signed Jon Holst	ππε Counsel		DATE	02/17/2000	
(This space for Federal or State office use)					· · · · · · · · · · · · · · · · · · ·
PERMIT NO. 43-0/3-3/933	APPROVAL DATE				
Application engroyal does not warrent or certify that the applicant holds legal of	r equitable title to those rights in the	e subject lease which would en	title the applican	t to conduct operations thereon.	
CONDITIONS OF APPROVAL, IF ANY:	proval of this				

### \*See Instructions On Reverse Side

RECLAMATION SPECIALIST III

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# T9S, R16E, S.L.B.&M.



N89'54'W - 80.06 (G.L.O.)

NOTE:

The well location bears \$26°52'07"E 836.7' from the West 1/4 Cor. of Sec. 5



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

# INLAND PRODUCTION COMPANY

WELL LOCATION, WEST POINT #12-5-9-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 5, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THE ABOVE PLAT WAS PREPARED FROM FIRED HOULANDS ANTUAL SURVEYS MADE BY ME OR DUREN MY SUPERMISEN AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIFFELD.

REGISTER DO NO. 14402
STANDO OF DEAL CONTRACTOR OF

# TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-31-99	WEATHER: FAIR
NOTES:	FILE #

# INLAND PRODUCTION COMPANY WEST POINT 12-5-9-16 NWSW SECTION 12, T9S, R16E DUCHESNE COUNTY, UTAH

### **ONSHORE ORDER NO. 1**

#### DRILLING PROGRAM

### 1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta

0 - 1700

Green River

1700'

Wasatch 6500'

# 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1700' - 6500' - Oil

### 4. PROPOSED CASING PROGRAM:

Please refer to the Monument Butte Field SOP.

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "F".

# 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

### 7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

### 8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

## 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

Onshore Order No. 1 Multi-Point Surface Use & Operations Plan West Point 12-5-9-16 Page 2 of 4

> INLAND PRODUCTION COMPANY WEST POINT 12-5-9-16 NWSW SECTION 12, T9S, R16E DUCHESNE COUNTY, UTAH

### **ONSHORE ORDER NO. 1**

# MULTI-POINT SURFACE USE & OPERATIONS PLAN

### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site West Point 12-5-9-16 located in the NW4 SW4 Sec. 5, T9S, R16E, S.L.B & M., Duchesne County Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with Sand Wash Road. Stay on State Highway 53 traveling in a southwesterly direction for another 8.5 miles to the beginning of the proposed access road.

### 2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "D"

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

### 5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "C".

### 6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

### 7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP. See Exhibit "E".

Onshore Order No. 1 Multi-Point Surface Use & Operations Plan West Point 12-5-9-16 Page 3 of 4

### 8. ANCILLARY FACILITIES:

Please refer to the Monument Butte Field SOP.

### 9. WELL SITE LAYOUT:

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s). Refer to Exhibits "E" and "E-1".

### 10. PLANS FOR RESTORATION OF SURFACE:

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP: Bureau of Land Management

### 12. OTHER ADDITIONAL INFORMATION:

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the West Point 12-5-9-16 to allow for construction of a 6" poly gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C".

### 13. <u>LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION</u>:

### Representative

Name:

Jon Holst

Address:

410 Seventeenth Street

Suite 700

Denver, CO 80202

Telephone:

(303) 893-0102

### Certification

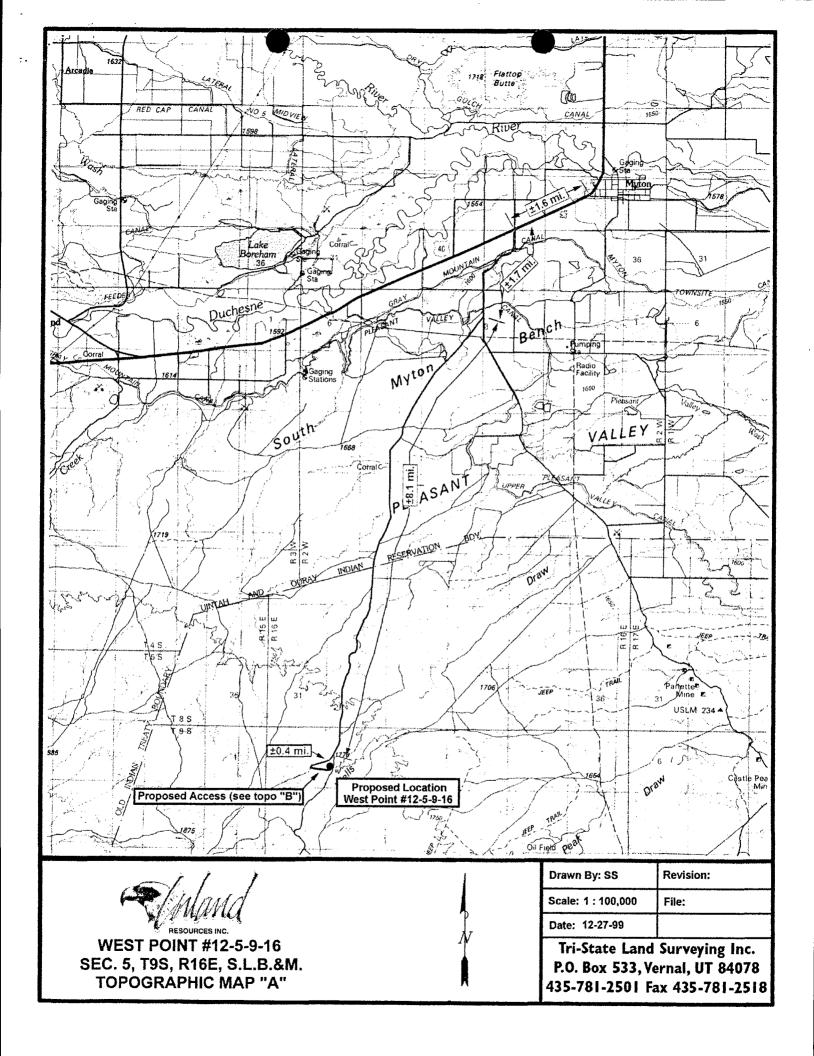
Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #12-5-9-16, LEASE #UTU-73087, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

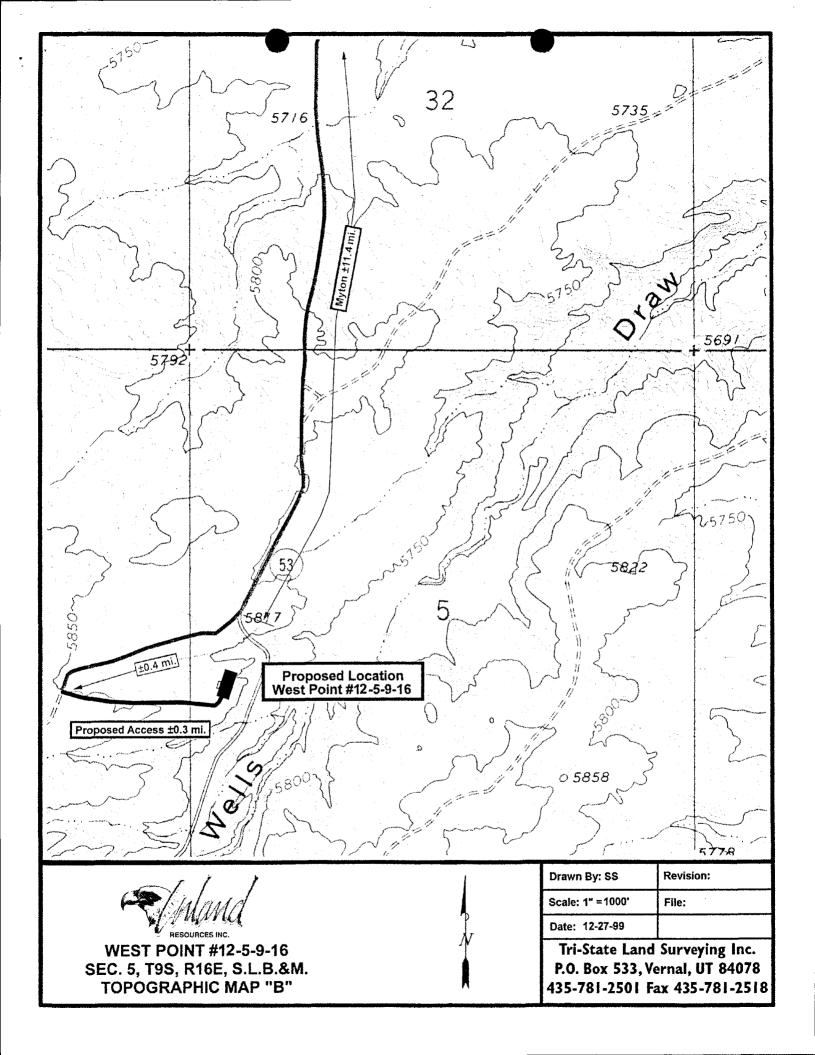
Onshore Order No. 1 Multi-Point Surface Use & Operations Plan West Point 12-5-9-16 Page 4 of 4

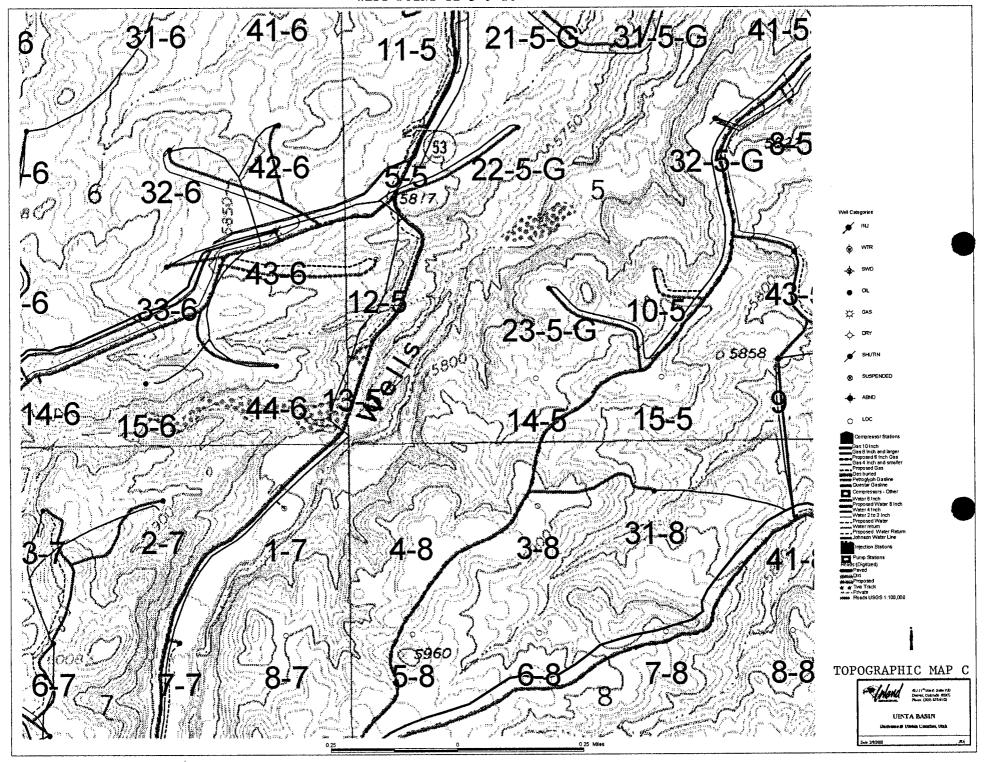
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

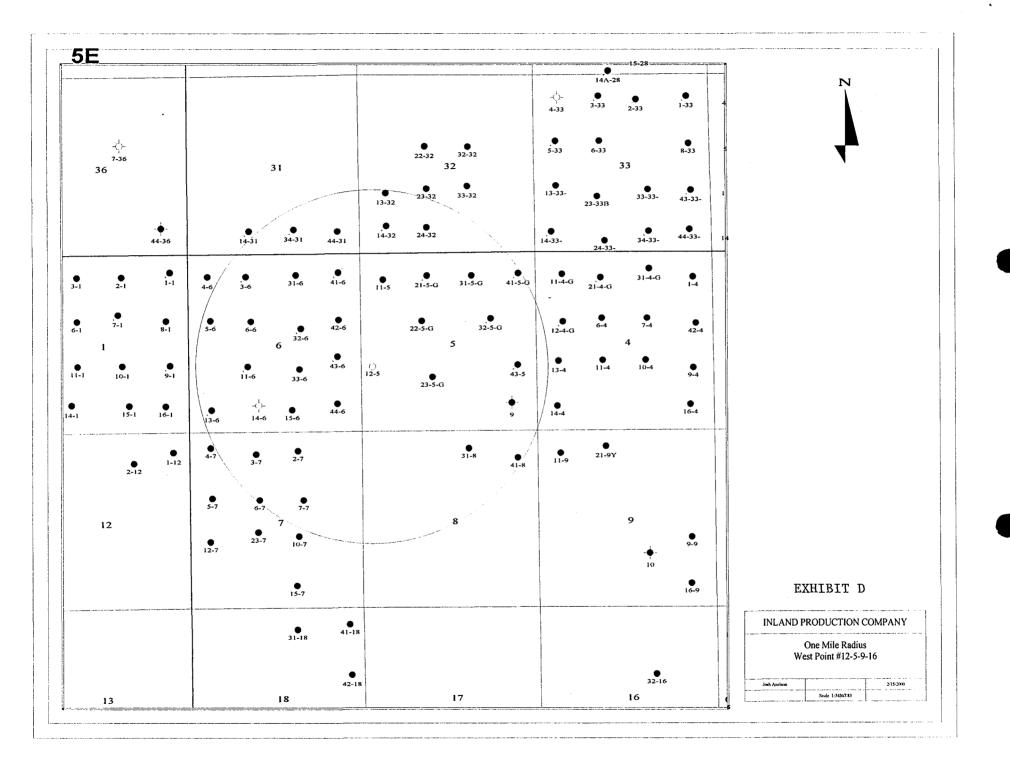
Date /

Holst, Counsel



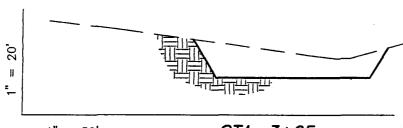




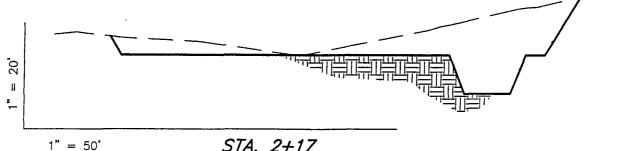


# CROSS SECTIONS

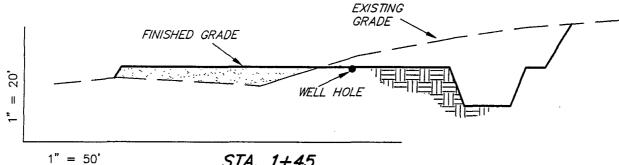
# WEST POINT #12-5-9-16



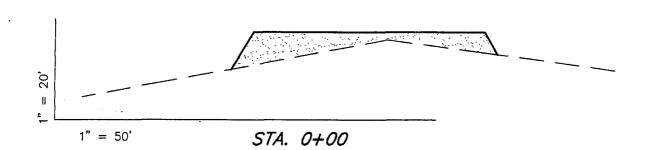




STA. 2+17



STA. 1+45



# APPROXIMATE YARDAGES

CUT = 5,090 Cu. Yds.

FILL = 5,070 Cu. Yds.

PIT = 920 Cu. Yds.

6" TOPSOIL = 1,060 Cu. Yds.

Tri State Land Surveying. Inc. **1** (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY WEST POINT #12-5-9-16 T9S, R16E, S.L.B.&M. TOPSOIL C/4.1 Proposed Access C/10.0 Road (6% Grade Max.) (4) C/9.8 STA. 3+05 ROUND CORNER TO AVOID EXCESS CUT ROUND CORNER TO AVOID EXCESS CUT PIT TOPSOIL STOCKPILE 160, 50' C/10.1 STA. 2+17 Top of Cut Slope C/2.1 F/2.8 120' *50*' STA, 1+45 WELL HEAD: UNGRADED = 5815.3'FIN. GRADE = 5813.2'2' Berm around Fill Portion of Location WASTE MA TERIAL ROUND CORNER TO AVOID EXCESS FILL Toe of STA. 0+00 Fill Slope F/1.6 F/10.6 TOPSOIL STOCKPILE

# REFERENCE POINTS

195' SOUTH = 5821.4' 245' SOUTH = 5823.8'

140' WEST = 5823.0'

190' WEST = 5819.4'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	1-13-00
SCALE:	1" = 50'
REVISIONS;	

38 WEST 100 NORTH VERNAL, UTAH 84078

Well No.: 12-5-9-16

# CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: West Point 12-5-9-16

API Number:

Lease Number: UTU-73087

Location: NWSW Sec. 5, T9S, R16E

### **GENERAL**

The access road to the well pad shall come from a westerly direction, branching off of a pre-existing gravel road.

### **CULTURAL RESOURCES**

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

#### PALEONTOLOGICAL RESOURCES

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

### SOILS, WATERSHEDS, AND FLOODPLAINS

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

### **WILDLIFE AND FISHERIES**

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

### THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

FERRUGINOUS HAWK: No new construction or surface disturbing activities will be allowed between March 1 and May 30, 1999, due to the location's proximity (0.5 mile) to a ferruginous hawk nest. If the nest becomes occupied in spring of 2000,

no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest has been unoccupied for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multicylinder engine or hospital muffler to reduce noise levels.

MOUNTAIN PLOVER: If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

OTHER

# CULTURAL RESOURCE INVENTORY OF SIX 40-ACRE WELL PAD LOCATIONS: WELLS DRAW 5-5, 12-5, 13-30 CASTLE DRAW 11-1, 12-1, 13-1 DUCHESNE AND UINTAH COUNTIES, UTAH

JBR Cultural Resource Report 98-61

by Richard Crosland and Scott Billat

prepared for Inland Resources Inc. Denver, Colorado

submitted by

JBR Environmental Consultants Inc. Springville, UT

November 17, 1998

Federal BLM Permit No. 97UT55134 Utah State Project Authorization No. U-98-JB-0659b

### MANAGEMENT SUMMARY

Agencies:

Vernal District, Bureau of Land Management and Utah State Historic

Preservation Office.

**Project Number:** 

Utah State Project Authorization No. U-98-JB-0659b

Location:

Three of the proposed well pad locations are located approximately seven miles south of Myton, Utah, in Duchesne County south of Wells Draw. The remaining three well pads are located approximately 16 miles south of

Roosevelt, Utah, in Uintah County on the Pariette Bench.

**Project Description:** The area inventoried for cultural resources encompasses six 40 acre well pad areas. The pads located on the Pariette Bench are contiguous and two of the pads south of Wells Draw are also adjoining.

Cultural Resources: The Class inventory identified one previously recorded site and seven newly recorded sites. Additionally, 11 isolated finds were also noted. Seven of the sites are historic in nature with the eighth site having an unknown cultural affiliation. One site, 42DC1198, is recommended eligible for inclusion on the National Register of Historic Places. The remaining sites are

recommended ineligible.

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### 1.0 INTRODUCTION

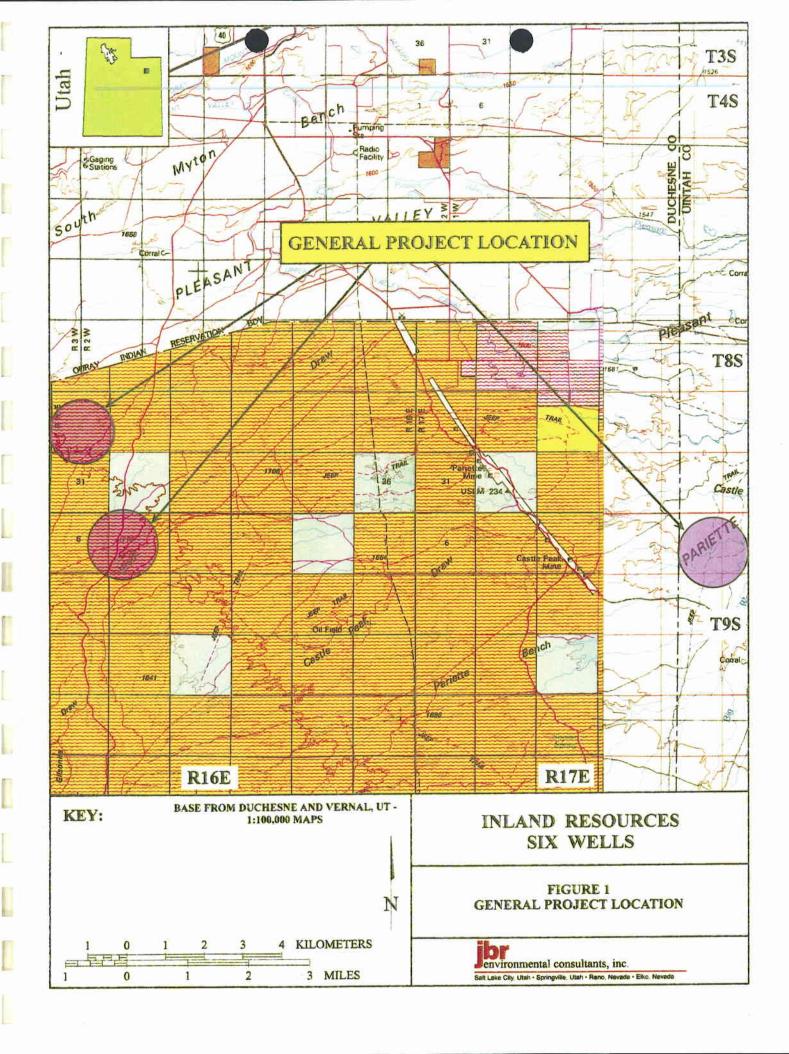
JBR Environmental Consultants, Inc. of Springville, Utah, completed a cultural resource inventory of six well pad locations designated as Wells Draw 5-5, 12-5, 13-30, and Castle Draw 11-1, 12-1, and 13-1. The three Wells Draw well pads are located within two miles of each other. The Castle Draw pads are contiguous pad locations. A total of eight cultural resource sites were found during the inventory. One of these (42DC597) was a previously recorded historic debris scatter. The newly recorded sites consist of six historic debris scatters and one stone slab feature of unknown cultural origin. The cultural resource sites that were recorded are found within the Wells Draw pad locations. No cultural resource sites were found in the Castle Draw pad locations. The project inventory was conducted on November 3, 4, and 5, 1998 by JBR personnel Scott Billat, Richard Crosland, Jenni Prince-Mahoney, Christina Ice, and Steve Ice.

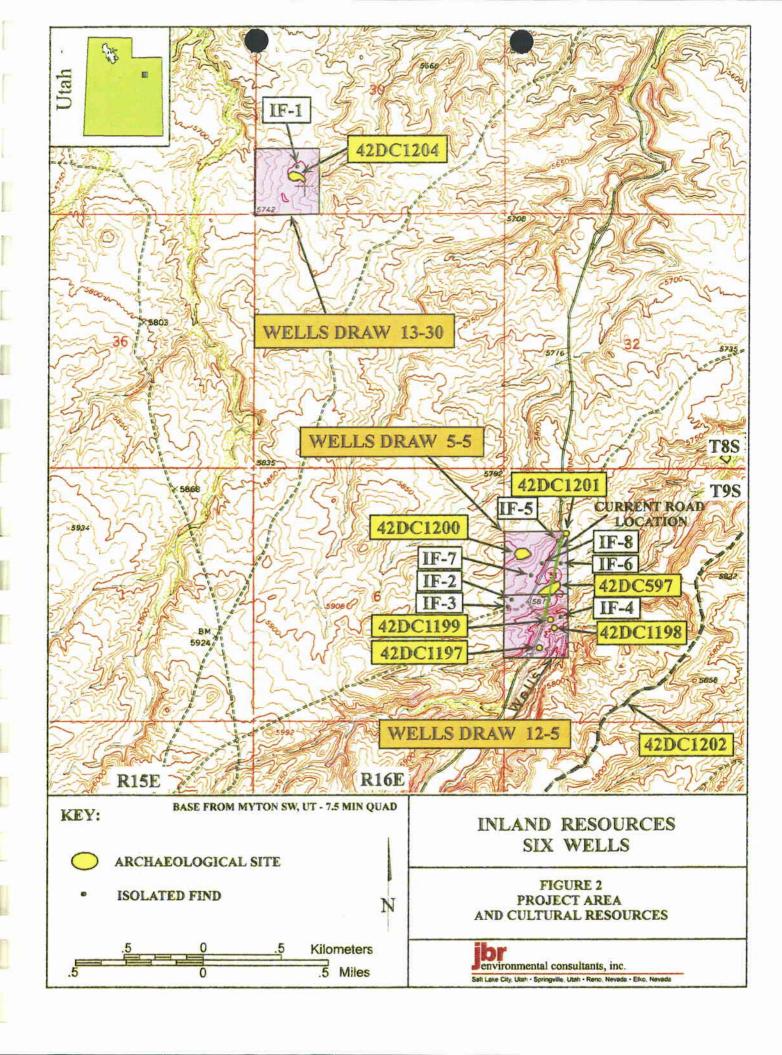
### 2.0 PROJECT LOCATION

The proposed project area is located on lands administered by the Vernal District, Bureau of Land Management. Three of the 40 acre pads are located approximately seven miles south of Myton, Utah, south of Wells Draw on the west side of State Route 216. The remaining three 40 acre pads are located approximately 16 miles south of Roosevelt, Utah in Uintah County. These are located on the Pariette Bench south of Pleasant Valley. The legal locations are listed below in Table 1.

Table 1. Project Area Legal Locations

Pad Number	Township/Range Section	Legal Locations	Ownership
Wells Draw 5-5	T8S R16E Section 5	SW 1/4 NW 1/4	BLM
Wells Draw 12-5	T8S R16E Section 5	NW 1/4 SW 1/4	BLM
Wells Draw 13-30	T8S R16E Section 30	SW 1/4 SW 1/4	BLM
Castle Draw 11-1	T9S R17E Section 1	NE ¼ SW ¼	BLM
Castle Draw 12-1	T9S R17E Section 1	NW 1/4 SW 1/4	BLM
Castle Draw 13-1	T9S R17E Section 1	SW 1/4 SW 1/4	BLM





### 3.0 NATURE OF PROPOSED IMPACTS

Inland Resources proposes to drill oil well locations within the identified 40 acre project well pads. Less than 10 acres will be impacted by Inland during drilling operations. The completion of the 40 acre well tract will give Inland an area to situate the final well placement and associated facilities during development. Also, access roads can be adjusted into the 40 acre well tract. Many of these proposed wells will be accessed from nearby existing wells.

#### 4.0 ENVIRONMENTAL SETTING

Two of the proposed pad locations in the Wells Draw Unit are located along the north side of Wells Draw with the third being located just south of Pleasant Valley. The pads near Wells Draw are generally located on top of the bench above Wells Draw and on the bisected finger ridges that make up the area. The three pads in the Castle Draw Unit are located on Pariette Bench just south of Castle Peak Draw and bordered on the east by Big Wash.

### 4.1 Geology

The area is characterized by low rolling tablelands dissected by deep draws and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are a fine light tan to medium brown silty sands. The surface sediments consist of an interfingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Sediments contain a moderate amount of Pleistocene gravels and some small areas of Eocene Green River Formation are visible in eroded areas.

### 4.2 Flora/Fauna

The project area is within the Upper Sonoran Life Zone. Vegetation within the project area includes four-wing saltbrush, winterfat, narrow leafed yucca, greasewood, and a variety of forbs and low grasses. Fauna noted in the project area includes antelope, elk, jackrabbit, cottontail rabbit, ground squirrel and a possible great-horned owl.

### 5.0 PREVIOUS RESEARCH

A Class I file search was conducted at the State Historic Preservation Office on October 30, 1998, and at the Vernal District Bureau of Land Management on November 3, 1998. Over twenty cultural resource inventories have been completed in the areas surrounding the current project blocks. These inventories were associated with drill pads, access roads, and pipeline projects for the oil and gas industry. Of these projects, six were located near the current project and are summarized in Table 4.

Historic GLO maps of the area were reviewed for possible historic features within the project area. All of the available GLO maps dated to 1911. One historic road was noted and recorded (42DC1202) as a result of this project.

Table 2. Previous Cultural Inventories

Report No.	Project	Size	Sites
81-UT-179	Evaluation of two road crossings	1 acre	0
88-AF-093b	Well pad and access road	10 acres	0
93-AF-655b	Four well pads and access roads	32 acres	1
93-SJ-720b	Block inventory	1160 acres	8
96-AF-0445b	Pipeline corridor	62 acres	0
97-SJ-0780b	Block inventory	1840 acres	4

### 6.0 CULTURE HISTORY

A number of overviews have been written for the region and adjacent regions including Jennings (1974, 1978, 1986), Aikens (1970), Madsen (1980), and Aikens and Madsen (1986).

### 6.1 Prehistoric Overview

Jennings (1986) and Aikens and Madsen (1986), proposed a chronology for the eastern Great Basin that divides the cultural sequence into three periods that are somewhat equivalent to the general Basin-wide chronological sequence: Bonneville period (11,000-9,500 B.P.), Wendover period (9,500-6,000 B.P.), and the Black Rock period (6,000-1,500 B.P.). Madsen (1982) also presents a model of the prehistory of the region that include the following: Paleoindian (12,000-9,000 B.P.), Archaic (8,500-1,600 B.P.), Formative Fremont (1,600-650 B.P.), and Numic (700 B.P.-present). Below is a brief summary and overview of these periods.

The Paleoindian period (12,000-9,000 B.P.) was first defined on the high plains east of the Rocky Mountains as a time of specialized hunting of large game animals such as mammoth, bison, horse, etc. (Jennings 1974). Tools associated with this culture include a series of diagnostic projectile points known as Clovis, Folsom, and Plano points. The Great Basin Stemmed points and crescents are considered by Hester (1973) to be diagnostic of the pre-Archaic Western Pluvial Lakes Tradition in the Great Basin as well, but few have been noted in Utah.

In Utah, significant Paleoindian sites were found in the Sevier Lake region, in the Escalante Desert, south of Green River, and in southeastern Utah. Clovis, Folsom, Dalton-Meserve, Plainview, and Great Basin Stemmed projectile points and crescents have been recovered from these areas (Davis 1986; Janetski and Holmer 1982). Folsom and Plano points and crescents from this period have been reported in Millard County, near the Beaver and Sevier river areas (Janetski and Holmer 1982), and near Delta (Simms and Lindsay 1984). To date, no Paleoindian sites have been formally reported in Uinta County, although at least two Folsom points have been recovered to the west in Duchesne County.

The Archaic period (8,500-1,600 B.P.) is well represented in Utah. The Archaic lifeway was highly adaptive, based on hunting and gathering subsistence practices. Archaic subsistence included a wide array of food sources. During the earlier stages of this period, Archaic people resided around pluvial

lake margins and riverine environments. Later, in response to the decline of these ecozones, populations shifted to upland areas to take advantage of available resources. Cultural remains from this period include items such as metates, baskets, bone implements and a variety of diagnostic projectile points. Common point types include Elko and Humboldt series, Pinto, Sudden Sidenotched and Gypsum.

Evidence of the Archaic is exhibited by recorded surface sites and rockshelters throughout the region. Rockshelters and cave sites have been the primary means for defining what we know about the culture. Some of these shelters include Walters and Cowboy Caves with C-14 dates of ca. 6875 BC and ca. 6690 BC, which marks the earliest known occupation of the Colorado Plateau (Schroedl 1976). Schroedl (1976) has subdivided the Archaic period into four different phases based on diagnostic point styles to provide temporal control.

The earliest phase is known as the Black Knoll Phase (6350-4250 BC), and is marked by the presence of Elko Corner-notched points, and Pinto series points. An early Pinto variant has been found on the same site as Folsom points, and together, the styles from the Moab Complex (Hunt and Tanner 1960). The following phase is the Castle Valley Phase (4250-2550 BC). Point styles are more diversified during this period and include Rocker Base, Sudden and Hawken Side-notched points. During the later half of the period Humboldt points appear and become the dominate point style. The beginning of the Green River Phase (1550-1350 BC) coincides with the dichotomy in point styles between the western and eastern sections of the Plateau. The western variant includes San Rafael Side-notched and Gypsum points, while the eastern variant is predominated by Duncan Hanna Points. The final Archaic phase is the Dirty Devil Phase (1350 BC - AD 450) which exhibits a continuity from earlier phases with the Gypsum and Elko Series points. This phase is evidenced more from unfired clay objects, basketry, and sandals rather than point styles as the previous phases (Madsen and Berry 1975). Significant excavated sites in the Uinta Basin that contain Archaic cultural material include Hells Midden (Lister 1951), Thorne Cave (Day 1964), Deluge Shelter, and Swelter Shelter (Leach 1970).

The Fremont inhabited the region between 1600-650 B.P. (Jennings 1978). They were horticulturalists with varying dependencies on corn, beans and squash. The Fremont also hunted small and large game animals and utilized wild plant foods. They built semi-subterranean pit houses, surface jacal and masonry habitation units and coursed adobe granaries. The remains of the structures often appear as low lying mounds in valleys, and on alluvial fans and ridge tops. Diagnostic artifacts from this period include the Utah type metate, clay figurines and small to

medium size corner-notched and side-notched projectile points. Ceramics consist mostly of graywares, but also include some corrugated, incised, and black-on-white styles. The Turner-Look site exhibited semi-subterranean houses of dry laid masonry, cultivating corn and possibly squash. The diagnostic Uinta Gray ceramics at the site, place occupation at AD 1050 or later (Wormington 1955; Jennings 1978).

Numic speaking groups (Ute and Gosiute) appear to have replaced the Fremont after about 700 B.P., during the Late Prehistoric period. These groups relied on a hunter-gatherer lifestyle, similar to that of the Archaic. They lived in temporary brush wickiups and rockshelters (Steward 1938). These groups depended on a variety of wild plants, and employed seasonal movements; gathering resources produced in various ecological zones. Evidence of the Late Prehistoric period comes from surface sites, containing light artifact remains, and shallow rockshelter deposits. Diagnostic artifacts include non-painted brownware ceramics and the Desert Side-notched point.

### 6.2 History

The first European contact with Native Americans of the region was the 1776 Dominguez-Escalante expedition in Colorado, Utah and Arizona (Fowler 1986; Warner 1976). Detailed descriptions of the dress, weapons and manner of the groups they encountered were recorded. The Dominguez-Escalante expedition traversed the territory of the Utes, Western Shoshone, Southern Paiute and the Navajo. After the Dominguez-Escalante expedition, the Spanish continued to return to Utah to trade for horses, slaves and gold.

In 1805, the Lewis and Clark expedition encountered Northern Shoshone groups in the Snake River region and kept detailed records of their political organization, dress, territory and subsistence. Beginning in the 1820s, fur trappers from Canada, eastern U.S. and Taos entered Utah and began trapping beaver. By 1840, the beaver were gone. However, these mountain men, Jedediah Smith (1826-1829), Etienne Provost (1824-1825), Peter Skene Ogden (1825-1829) and William Ashley (1825-26) had managed to explore much of the state and had encountered numerous Native American peoples.

The first U.S. Government explorers arrived in Utah in the 1840s and recorded some encounters with Native Americans. These included Fremont in 1845, Stansbury in 1852, Simpson in 1876, and Gunnison-Beckwith in 1856. In 1847, the first Mormon settlers arrived in the Salt Lake Valley.

From this point the pioneers were almost in constant contact with Native American cultures and people. A result of this continuing contact was armed conflict and four major battles or wars: The Provo River Battles (1850), Walker War (1853), Goshute War (1860-1863), and the Black Hawk War (1865-1867).

By the 1870s, Native American cultures were receiving attention as ethnographic resources. In 1876, John Wesley Powell documented the language, territory, culture, religion and social organization of the Shoshone and Southern Paiute. This body of material has been used to classify and reconstruct the ethnohistory of these cultures by other ethnographers; A.L. Kroeber (1907), Julian Steward (1938), Isabel Kelly (1964), Catherine and Don Fowler (1971), and others.

The settlement of Duchesne County is unique to the state in that it was not settled by Mormon pioneers, since early scouting parties had deemed the area unfit for settlers. The area was settled in 160 acre parcels under the Homestead Act. The Dry Gulch Irrigation Company was incorporated in 1905 by William H. Smart and Reuben S. Collett to help individual farmers obtain water rights from the state (Powell 1994). The county's economy is based primarily on the livestock industry, but rich oil and gas reserves are also present.

Myton is an historical community located to the north of the project area. The settlement was built at the only bridge crossing the Duchesne River and had the early name of Bridge City. For many years the town functioned as a river crossing and trading post. The community received its present name from Major H. P. Myton who was assigned to the area in 1905 as the region was opened to settlers (Van Cott 1990).

### 7.0 METHODOLOGY

A Class III inventory was completed in the project area by five JBR cultural resource personnel, walking parallel transects at fifteen meter intervals. When cultural resources were encountered during the survey, they were recorded on IMACS site forms or Utah Isolated Find forms. Each site was plotted on a USGS topographic map, site sketches were drawn, tools or diagnostic artifacts were drawn, photographs taken, and 18-inch white PVC pipe datums with aluminum tag were placed on all site locations. Isolated finds were also plotted on a USGS topographic map. All field notes are on file at JBR Environmental Consultants Inc., Springville, Utah.

### 8.0 INVENTORY RESULTS

### 8.1 Cultural Resource Inventory

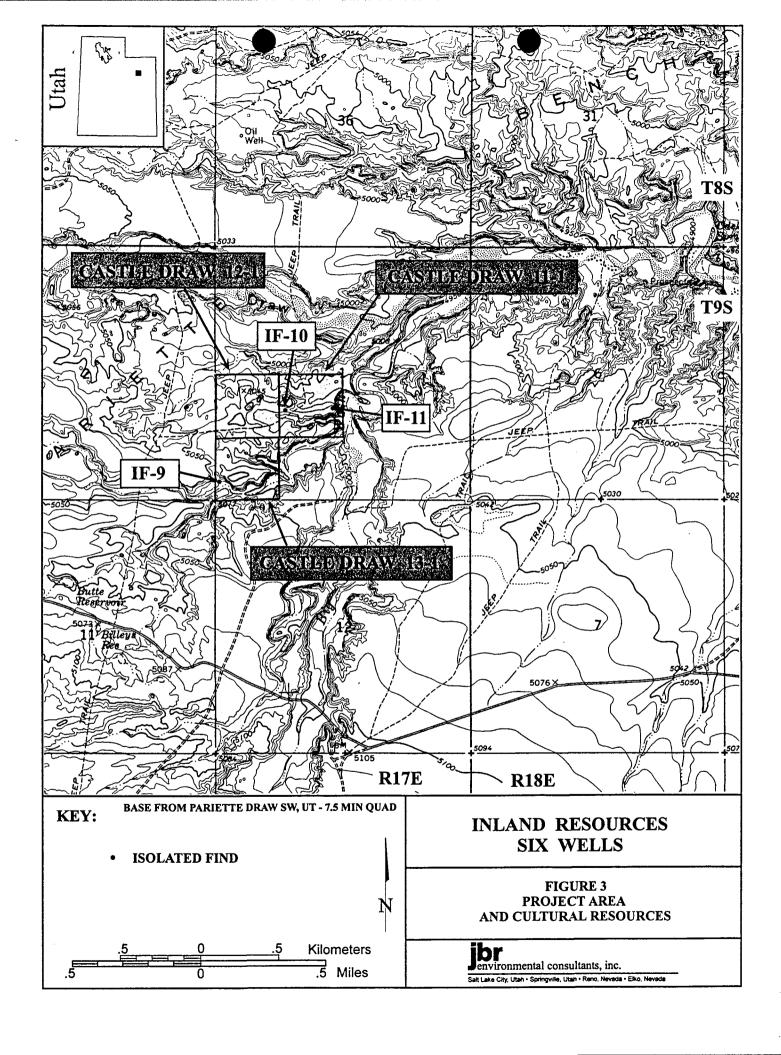
The class III inventory identified one previously recorded site, seven newly recorded sites, and 11 isolated finds. The cultural resource sites consist of seven historic debris scatters and one stone lined feature of unknown cultural origin. A summary of the cultural resource sites can be found in Table 2. More detailed information regarding the site can be found on the IMACS forms. The isolated finds are summarized in Table 3.

Table 3. Summary of Cultural Resource Sites.

Site Number	Field Number	Site Type	Cultural Affiliation	NRHP Evaluation
42DC597	22:1	Debris Scatter	Euro-American	Ineligible
42DC1197	N1	Debris Scatter	Euro-American	Ineligible
42DC1198	N2	Stone Feature	Unknown	Eligible
42DC1199	N3	Debris Scatter	Euro-American	Ineligible
42DC1200	N8	Debris Scatter	Euro-American	Ineligible
42DC1201	N7	Debris Scatter	Euro-American	Ineligible
42DC1202	N4	1911 GLO Road	Euro-American	Ineligible
42DC1204	N5	Debris Scatter	Euro-American	Ineligible

Table 4. Summary of Isolated Finds.

Number	Description	Location
IF-1	One rectangular oil can modified with baling wire.	NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> Section 30 T8S R16E
IF-2	Beverage bottle of aqua glass. Owens Illinois ring on base.	NW½ NW¼ NW¼ SW¼ Section 5 T8S R16E
IF-3	Purple glass fragments from a single panel bottle with a whiskey finish.	NW¼ NW¼ NW¼ SW¼ Section 5 T8S R16E
IF-4	One utilized primary flake of tan siltstone.	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> Section 5 T8S R16E
IF-5	One Simonis Type #10 condensed milk can, a brown bottle base with a cut bottom mold, and a piece of baling wire.	NE¼ NE¼ SW¼ NW¼ Section 5 T8S R16E
IF-6	One Simonis Type #10 condensed milk can.	NE¼ SE¼ SW¼ NW¼ Section 5 T8S R16E
IF-7	One Simonis Type #10 condensed milk can, 10-15 pieces of a whiteware crock.	NE¼ SW¼ SW¼ NW¼ Section 5 T8S R16W
IF-8	One Simonis Type #17 condensed milk can	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> Section 5 T8S R16E
IF-9	One primary flake of dark brown chert. One edge is possibly utilized.	NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> Section 1 T9S R17E
IF-10	Two Simonis Type /#15 condensed milk cans.	NW¼ SW¼ NE¼ SW¼ Section 1 T9S R17E
IF-11	Four purple glass fragments. Identifiable word fragments include "S. HIRS", "CRYST", "K" The bottle fragments also exhibit some decorative embossing. The bottle is pre-machine manufactured.	NE¼ SE¼ NE¼ SW¼ Section 1 T9S R17E



### 8.2 Site Summaries

Site Number: 42DC597 Figure Numbers: 3 and 4

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

**Setting:** The site is located on a slight slope above Wells Draw.

**Description:** The site is a broad debris scatter located on a slope above Wells draw. It was originally recorded by Sagebrush in 1990. The site extends over a 182 by 104 meter area and consists of one concentration and scattered debris. The debris concentration is in the extreme northeastern portion of the site covering a 14 by 12 meter area. It contains two rubber shoe heels, three shoe soles, baling wire, a bastard file, two Utah license plates (D-7030 UTAH-40), two hole-in-top milk cans, three food cans with cut-around openings, and four smashed cans. The majority of the remaining artifacts are on the western side of State Route 53. Very little glass is on the eastern side of the road, although all the non-can items except the tank were on the east side of road. Other artifacts include an iron strip, a truck gas tank, a pile of fire wood, a horseshoe fragment, glass fragments (purple, aqua, clear, and green), meat cans, fruit/vegetable cans, a pail, motor oil cans, a tobacco tin, a coffee can, a spice tin, a household chemical can, an axle grease can lid, and miscellaneous cans. No features or structures were found in association.

**National Register Assessment:** The site is a broad debris scatter with no associated structures or features. It is likely the result of dumping. The debris dates generally from around 1900 to the present. The site is unlikely to yield any substantive data regarding historic usage of the area. It does not meet any of the NRHP criteria and is therefore recommended **ineligible**.

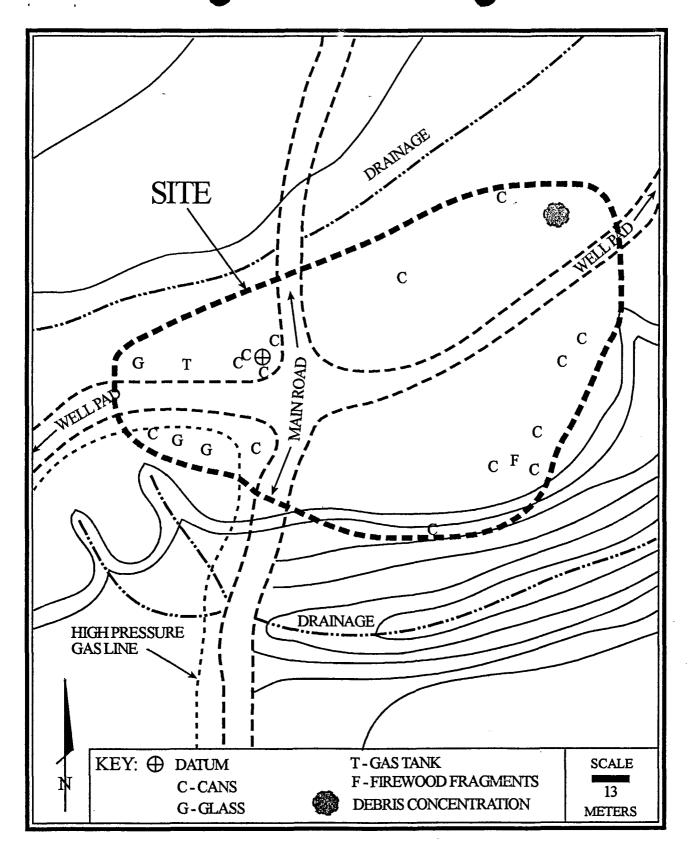


Figure 4. Plan map of site 42DC597

Site Number: 42DC1197 Temp Site Number: N1 Figure Numbers: 3 and 5

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

**Setting:** The site is located in a series of isolated land forms formed by deep drainages. It is situated on a flat terrace area at the base of a few hills and near the edge of Wells Draw.

**Description:** The site is a debris scatter located between drainages. It is 35 by 25 meters in size and contains glass, cans, an enamel sign, and an enamelware bowl. The cans include a square meat can with soldered seam, a sanitary fruit/vegetable can, a baking powder can lid, a hole-in-cap fruit/vegetable can, and a large hole-in-cap can modified into a pail. The enamelware bowl is smashed but is approximately 14 inches in diameter. The glass consists of three fragments of purple glass. The sign is enameled blue with white letters that reads "LADIES JOURNAL PATTERNS" and has part of a wooden post still screwed to it. No features or structures were found.

National Register Assessment: The site is a small debris scatter with few artifacts. There are no associated features or structures. The debris dates generally between ca.1880 and 1920. It is likely a brief dumping episode. The site is unlikely to yield any substantive data regarding historic settlement of the area. It does not meet any of the NRHP criteria and is therefore recommended ineligible.

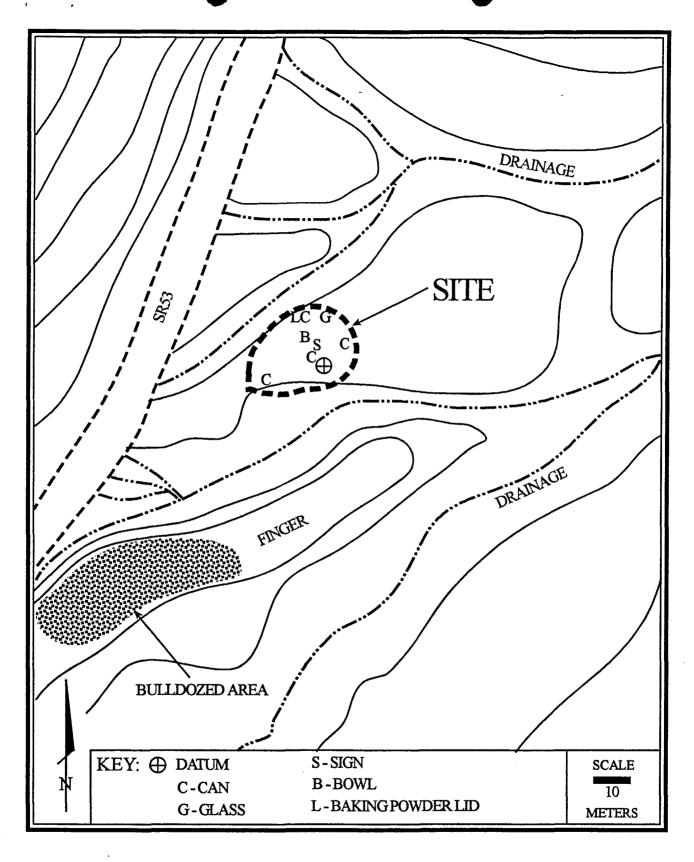


Figure 5. Plan map of site 42DC1197

Site Number: 42DC1198 Temp Site Number: N2 Figure Numbers: 3 and 6

Site Type: Stone Feature

Cultural Affiliation: Unknown

Setting: The site is located on the slope of a hill. It is situated next to Wells Draw drainage.

**Description:** The site consists of a slab-lined rock feature located on the slope of a hill above Wells Draw. The feature is 40 cm in diameter constructed of six upright sandstone slabs ranging from 5 cm to 30 cm in height. The thickness of the slabs is an average of 5 cm. There are no associated artifacts or indications of whether the feature is prehistoric or historic in nature. The soils are fine-grained silts with some rocks on the surface.

**National Register Assessment:** The slab lined feature may contain buried deposits and associated material around its circumference. The feature should be tested and/or mitigated to determine function and affiliation to a time period. The site has the potential to provide additional data. Therefore the site meets criterion D of the NRHP and is recommended **eligible**.

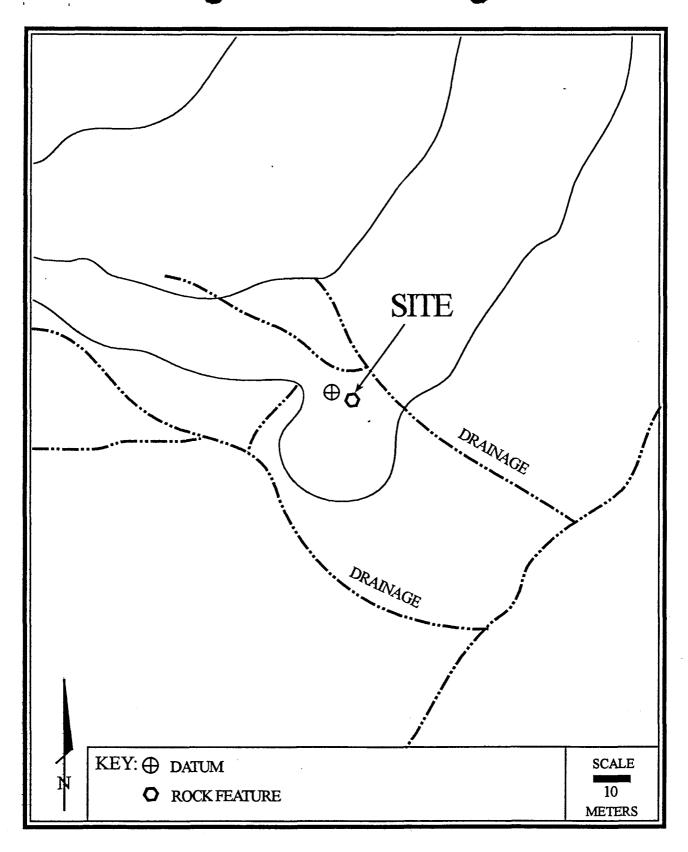


Figure 6. Plan map of site 42DC1198

Site Number: 42DC1199 Temp Site Number: N3 Figure Numbers: 3 and 7

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

**Setting:** The site is located on the southern slope of a finger ridge.

**Description:** The site is a debris scatter located on a hill slope above a drainage. It is 40 by 30 meters in size and includes glass, ceramic, wood, rubber, and cans. Most of the artifacts are present in a 15 by 10 meter area. Artifacts primarily include over 500 fragments of glass; food and canning jars, condiment and medicinal bottles, and over 40 cans such as meat tins, milk cans, sardine cans, baking powder and coffee cans. Also noted were a light bulb base, a three foot long 2x4 board, four plus fragments of ceramic, rubber hose with clamp, battery cover, motor oil can, a metal fragment, a shovel head, and a horseshoe. Glass and can technology indicate a date range from 1929 to 1950. An abandoned three meter wide two-track road is present around trash.

**National Register Assessment:** The site is a debris scatter located along an abandoned dirt road. It likely represents one or several dumping episodes. The artifacts date generally from about 1929 to 1950. There are no associated structures. It is unlikely to provide substantive information regarding historic usage of the area. The site does not meet any of the NRHP criteria and is therefore recommended **ineligible**.

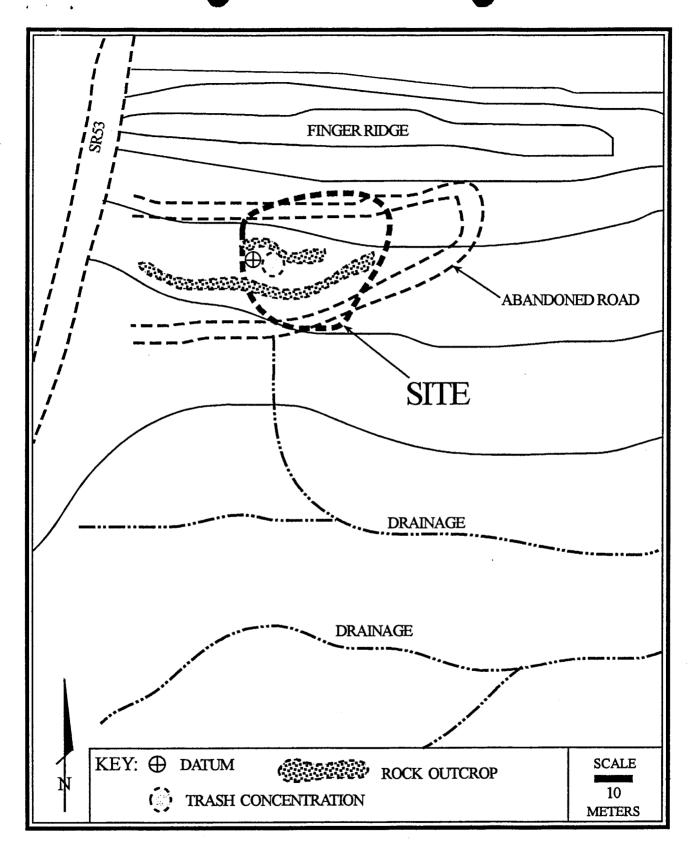


Figure 7. Plan map of site 42DC1199

Site Number: 42DC1200 Temp Site Number: N8 Figure Numbers: 3 and 8

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

**Setting:** The site is located on top of a knoll and its eastern slope.

**Description:** The site is a debris scatter located on a hill. It is 80 by 60 meters in size and includes eight pieces of baling wire, six brown glass fragments, and thirty cans. Cans include Simonis type #17 and #19 milk cans that date to 1935-1945 and 1950-present respectively. Other cans include single and multi-serving food cans and a coffee can. No debris concentrations are present. Also, no structures or features were found in association with the artifacts.

**National Register Assessment:** The site is a debris scatter with no associated features or structures. It is likely related to sheep herding activities in the area. The debris dates generally from 1935 to the present based on can technology. The site is unlikely to yield substantive information regarding historic usage of the area. It does not meet any of the NRHP criteria and is therefore recommended as **ineligible**.

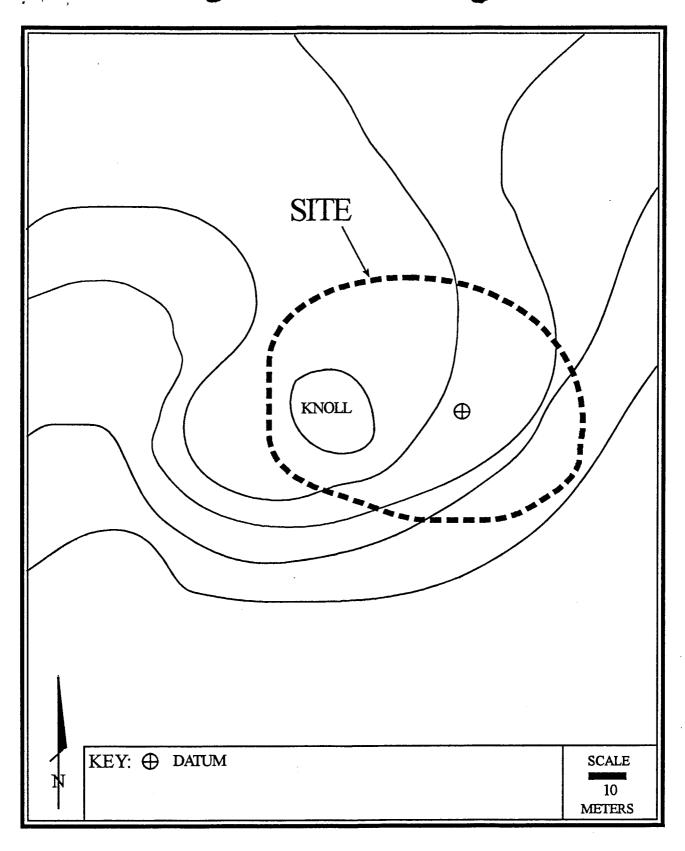


Figure 8. Plan map of site 42DC1200

Site Number: 42DC1201 Temp Site Number: N7 Figure Numbers: 3 and 9

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

Setting: The site is located on a slight slope of a plain near Wells Draw.

**Description:** The site is an historic debris scatter located on a slope. It is 35 by 10 meters in size and contains ceramic fragments, glass fragments from a canister, bottles, various canning jars pieces, zinc canning jar lids, meat cans, sanitary cans, a spice tin, a hole-in-cap can, and baling wire. Artifacts date generally from 1915-1955. No debris concentrations are present on surface. Also, no structures or features were found.

**National Register Assessment:** The site is a small debris scatter that is likely the result of a single dumping episode. No features or structures were found in association with the artifacts. The debris dates generally between 1915 and 1955. The site is unlikely to yield any substantive data regarding historic usage of the area. It does not meet any of the NRHP criteria and is therefore recommended **ineligible**.

Site Number: 42DC1202 Temp Site Number: N4 Figure Numbers: 3 and 10

Site Type: 1911 GLO Road

Cultural Affiliation: Euro-American

Setting: The road runs along the top of a ridgeline

**Description:** The site consists of a segment of road located along a ridgetop to the east of Wells Draw. The road is noted on a 1911 GLO map of the area. The road is currently maintained as it has recently been graded. It is six meters in width. The segment recorded is about two miles in length. Artifacts noted along the road include three smashed hole-in-top cans, a sanitary can, wood fragments, and a post 1945 bottle base, along with modern trash. A powerline runs alongside the road on the north end. No features or structures were found in association with the road.

**National Register Assessment:** The site is a segment of an historic road which appears on the 1911 GLO map of the area. On the map the road is labeled "To Pariette" but is likely a secondary route. The site integrity has been severely compromised by improvements and maintenance. The road does not meet any of the NRHP criteria and is therefore recommended **ineligible**.

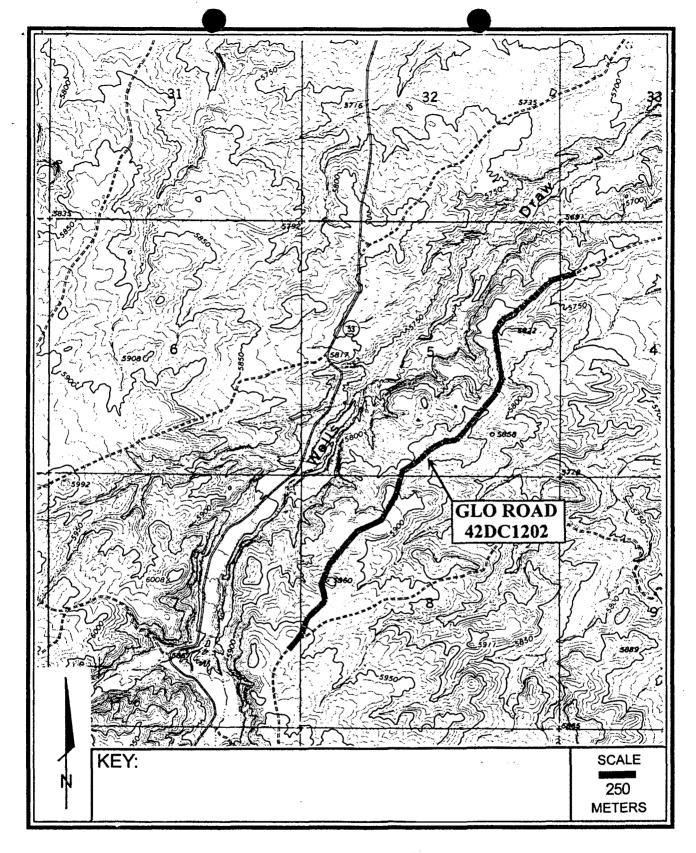


Figure 10. Plan map of site 42DC1202

Site Number: 42DC1204 Temp Site Number: N5 Figure Numbers: 3 and 11

Site Type: Debris Scatter

Cultural Affiliation: Euro-American

Setting: The site is located on the top and eastern slope of a hill.

**Description:** The site is an historic debris scatter located on a hill slope. It is 110 by 30 meters in size and consists of ten cans, baling wire, and fragments of an aqua canning jar. The cans include milk cans and food cans. Glass includes 20+ fragments to an aqua canning jar. The artifacts date generally between 1903 and 1930. No features or structures were found in association.

**National Register Assessment:** The site is a debris scatter that likely represents a single dumping episode that has since been scattered. There are no associated structures or features. The artifacts generally date from ca.1870 through 1940 but do not represent a specific time period. It is unlikely to provide substantive data regarding historic usage of the area. The site does not meet any of the NRHP criteria and is therefore recommended **ineligible** for the NRHP.

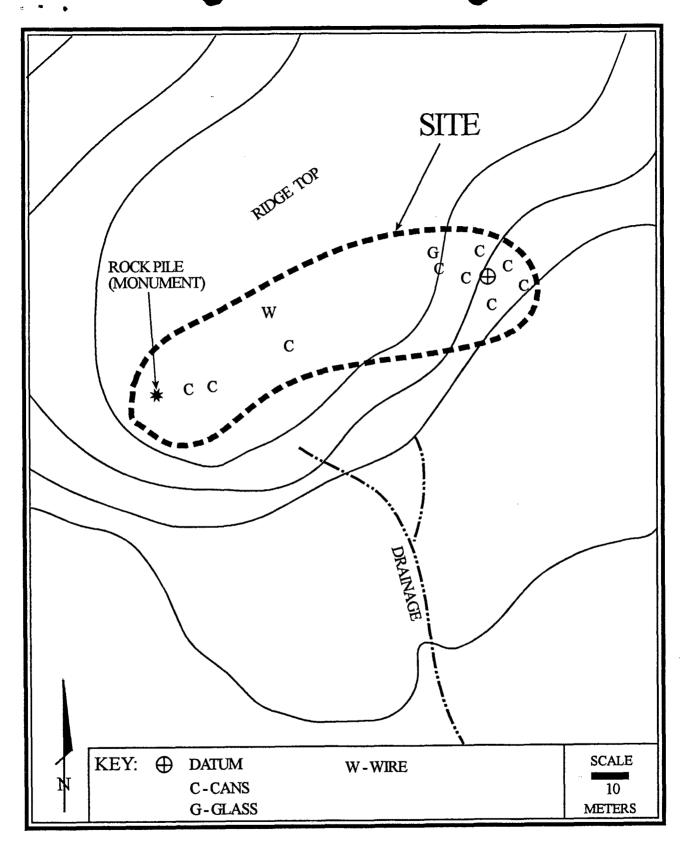


Figure 11. Plan map of site 42DC1204

#### 9.0 SUMMARY AND RECOMMENDATIONS

The Class III inventory identified one previously recorded cultural resource site and seven newly recorded sites. One of the eight sites (42DC1198) is recommended as eligible for the National Register of Historic Places (NRHP). The remaining seven sites are recommended as ineligible for the NRHP. Based on the literature search, it was expected that few cultural resource sites would be found. Expected site types would be small lithic scatters and historic debris scatters. In addition, 11 isolated finds were recorded during the inventory.

Site 42DC1198 is situated within well tract number, Wells Draw 12-5, and should be avoided. As an option, site 42DC1198 could be easily tested or mitigated because of its size. The development of the Wells Draw well pads 5-5, 13-30, and the Castle Draw well pads 11-1, 12-1, and 13-1 by Inland Resources will not affect any known significant cultural resource properties.

The following should apply during construction of the drill pad:

- 1. Personnel and equipment associated with the project should be restricted to the area cleared for the project.
- 2. Personnel associated with the project should refrain from collecting or otherwise disturbing cultural materials that may be encountered during development.
- 3. If unrecorded cultural materials are encountered during the project, activities in the affected area(s) should cease, and the appropriate State office (SHPO), or BLM office, Vernal District should be notified before development in the area is resumed.
- 4. Human burials or other physical remains encountered during the project, require immediate cessation of activity in the affected area, as well as immediate notification of proper authorities. Native American burials or other remains must be reported to the BLM, Utah SHPO and appropriate Native American groups.

#### 10.0 REFERENCES

#### Aikens, C. Melvin, and David B. Madsen

1986 Prehistory of the Eastern Area. In *Great Basin*, edited by Warren L. d'Azevedo, pp. 149–160. Handbook of North American Indians, vol. 11, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

#### Aikens, C. Melvin

1970 Hogup Cave. Anthropological Papers No. 93. University of Utah, Salt Lake City.

#### Davis, William E.

1986 The Lime Ridge Clovis Site. Paper presented at the Forty-fourth Plains Anthropological Conference. Denver.

#### Doelling, H. H.

1972 Eastern and Northern Utah Coal Fields. UGMS Monograph Series No. 2.

#### Fowler, Catherine S., and Don D. Fowler

1971 Notes on the History of the Southern Paiutes and Western Shoshonis. *Utah Historical Quarterly* 39(2, Spring).

#### Fowler, Catherine S.

1986 Subsistence. In *Great Basin*, edited by Warren L. d'Azevedo, pp. 64-97. Handbook of North American Indians, vol. 11, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

#### Hester, Thomas R.

1973 Chronological Ordering of Great Basin Prehistory. Contributions of the Archaeological Research Facility No. 17. University of California, Berkeley.

#### Hunt, Alice P. and Dallas Tanner

1960 Early Man Site Near Moab, Utah. American Antiquity. 26(1):110-117.

#### Janetski, Joel C., and Richard N. Holmer (editors)

1982 The Intermountain Power Project Cultural Resource Survey: Intermountain-Adelanto Bipole I Transmission Line Right-of-Way, Utah Section. Archeological Center Reports of Investigations No. 81-20. University of Utah, Salt Lake City.

#### Jennings, J. D.

1974 Prehistory of North America. Second edition, McGraw Hill Inc., New York.

1978 Prehistory of Utah and the Eastern Great Basin. Anthropological Papers No. 98. University of Utah, Salt Lake City.

Jennings, J. D.

1986 Prehistory: Introduction. In *Great Basin*, edited by Warren D'Azevedo, pp. 113-119. Handbook of North American Indians, Vol. 11, William G. Sturtevant, general editor. Smithsonian Institution, Washington D.C.

Kelly, Isabel T.

1964 Southern Paiute Ethnography. Anthropological Papers No. 69. University of Utah, Salt Lake City.

Kroeber, A. L.

1907 The Determination of Linguistic Relationships. Anthropos 8(3):385-395.

Madsen, David B. and Michael S. Berry

1975 A Reassessment of Northeastern Great Basin Prehistory. *American Antiquity*. 40(4):391-405.

Madsen, David B.

1980 Fremont/Sevier Subsistence. In *Fremont Perspectives*, edited by David B. Madsen, pp. 25-34. Antiquities Section Selected Papers Vol. 7, No. 16. Utah Division of State History, Salt Lake City.

1982 Prehistoric Occupation Patterns, Subsistence Adaptations, and Chronology in the Fish Springs Area., Utah. In *Archaeological Investigations in Utah*. Cultural Resources Series No. 12. Bureau of Land Management, Salt Lake City.

Powell, Allan Kent

1994 Utah History Encyclopedia, University of Utah Press, Salt Lake City, Utah.

Schroedl, Alan R.

1976 The Archaic of the Northern Colorado Plateau. Ph.D. dissertation, University of Utah, Salt Lake City. University Microfilms, Ann Arbor.

Simms, Steven R., and La Mar Lindsay

1984 Utah Intuitive Survey. In *Prehistoric and Historic Settlement in the Southeastern Great Basin (The MX Secondary Impact Survey)*, edited by Richard N. Holmer, pp. 130-184. Archeological Center Reports of Investigations No. 82-28. University of Utah, Salt Lake City.

Steward, J. H.

1938 Basin-Plateau Aboriginal Sociopolitical Groups. Bulletin No. 120. Bureau of American Ethnology, Smithsonian Institution, Washington D.C.

Van Cott, John W.

1990 Utah Place Names, University of Utah Press, Salt Lake City, Utah.

Warner, T. J.

1976 The Dominquez-Escalante Journal: Their Expedition Through Colorado, Utah, Arizona, and New Mexico in 1776. Brigham Young University Press, Provo.

Wormington, H. M.

1955 A Reappraisal of the Fremont Culture with a Summary of the Archaeology of the Northern Periphery. *Proceedings of the Denver Museum of Natural History* 1. Denver.

APD RECEIVED: 03/06/2000	API NO. ASSIGNED: 43-013-31933
WELL NAME: WEST POINT U 12-5-9-16  OPERATOR: INLAND PRODUCTION ( N5160 )  CONTACT: JON HOLST	PHONE NUMBER: 303-893-0102
PROPOSED LOCATION:  NWSW 05 090S 160E  SURFACE: 1909 FSL 0377 FWL  BOTTOM: 1909 FSL 0377 FWL  DUCHESNE  MONUMENT BUTTE ( 105 )  LEASE TYPE: 1-Federal  LEASE NUMBER: UTU-73087  SURFACE OWNER: 1-Federal  PROPOSED FORMATION: GRRV	INSPECT LOCATN BY: / /  Tech Review Initials Date  Engineering  Geology  Surface
Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. 4488944 )  N Potash (Y/N) N oil Shale (Y/N) *190 - 5 (B) Water Permit (No. MUNICIPAL ) RDCC Review (Y/N) (Date: )  N Fee Surf Agreement (Y/N)	LOCATION AND SITING:  R649-2-3. Unit West look (GF)  R649-3-2. General  String:  R649-3-3. Exception  Drilling Unit  Board Cause No: 231-2  Eff Date: 5-14-98  Siting: **Suspends Status: de rules, unit des  R649-3-11. Directional Drill
COMMENTS: * Mon. Butte Field (SOP), *  * BLM aprv. 6-12-2000.  STIPULATIONS: (1) FEDERAL APPROVA	separate file.



# Utah Oil Gas and Mining

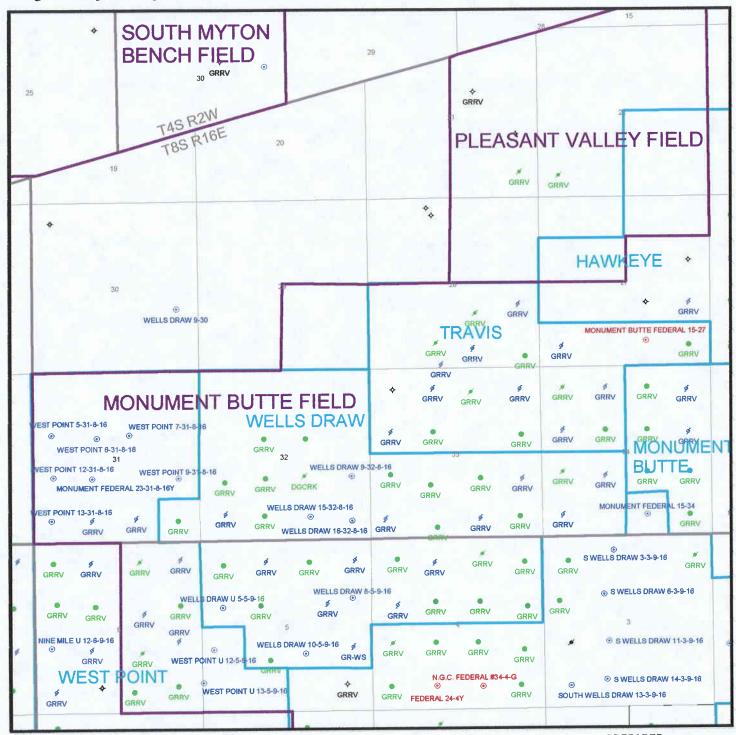
Serving the Industry, Protecting the Environment

OPERATOR: INLNAD PRODUCTION CO. (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 34, T8S, R 16 E, & SEC 5 & 6, T9 S, R 16 E

COUNTY: DUCHESNE UNIT:



PREPARED DATE: 13-Mar-2000



March 16, 2000

United States Department of Interior Bureau of Land Management Vernal District Office ATTN: Leslie Crinklaw 170 South 500 East Vernal, Utah 84078-2799

RE: West Point 12-5-9-16

SWNW Section 5, T9S, R16E Duchesne County, Utah

Dear Ms. Crinklaw:

Enclosed please find a new Application for Permit to Drill cover sheet with original signature for the above captioned well, as requested in your letter of 3/10/00 (copy attached). The paleontological report will be forwarded to your office under separate cover.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Anita L. Shipman

**Operations Secretary** 

Enc: Form 3160-3 (original)

cc: State of Utah

Division of Oil, Gas & Mining

ATTN: Lisha Cordova

1594 West North Temple – Suite 1210

tad. Shaman

P. O. Box 145801

Salt Lake City, Utah 84114-5801

Roosevelt Office



# United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT

Vernal Field Office 170 South 500 East Vernal, Utah 84078-2799

Phone: (435) 781-4400 Fax: (435) 781-4410

IN REPLY REFER TO: 3160 UT08300

March 10, 2000

Inland Production Company 410 17<sup>th</sup> Street, Suite 700 Denver, Colorado 80202

Re:

Application for Permit to Drill Well No. West Point 12-5-9-16

NWSW, Sec. 5, T9S, R16E

Lease No. U-73087 West Point (GR) SR

Dear Operator:

The referenced application was received on March 2, 2000.

Your application will be administratively complete for processing upon the receipt of the following: cover page with an original signature, and a survey for paleontological materials and localities.

If a cover page with an original signature is not received within 45 days of the date of this letter, this application will be returned.

As required by 43 CFR 3162.31(g), this APD Form 3160-3, map of the area, and lease stipulations will be posted for thirty (30) days at the BLM Vernal District Office, 170 South 500 East, Vernal, Utah.

As part of the approval process, your application will be reviewed for technical adequacy and proposed surface mitigation. During this portion of the approval process, you may be required to furnish additional information.

Once your application is determined to be technically complete, a final decision will be issued from this office.

If you have any questions concerning APD processing, please contact me at (435) 781-4497.

Sincerely, Leslie Crinklan

Leslie Crinklaw

Legal Instruments Examiner

FORM 3160-3 (December 1990) + SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

## UNITED STATES DEPARTMENT OF THE INTERIOR

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IL GA	AS	SINGLE	MULTII	PLE		8. FARM OR LEASE NA	AME
ELL X W	ELL OT	HER ZONE	ZONE			West Point	
NAME OF OPERATOR						9. WELL NO. 12-5-9-16	
land Production	Company				····	10, FIELD AND POOL	OR WILDCAT
ADDRESS OF OPERATOR	Suite 700, Denver,	CO 80202 P	hone: (30	03) 893-010	2	Monument B	
LOCATION OF WELL (Re	port location clearly and in acc	ordance with any State requiremen		<u> </u>	<del>-</del>	11. SEC., T., R., M., OR	
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#### \*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

March 20, 2000

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2000 Plan of Development West Point Unit

Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2000 within the West Point Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

43-013-31766 WEST POINT 13-5-9-16

0887-FSL 0060-FWL 05 09S 16E

43-013-31933 WEST POINT 12-5-9-16

1909-FSL 0377-FWL 05 09S 16E

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - West Point Unit

Division of Oil Gas and Mining

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:3-20-0



April 5, 2000

United States Department of Interior Bureau of Land Management Vernal District Office ATTN: Leslie Crinklaw 170 South 500 East Vernal, Utah 84078-2799

43-013-31933

West Point 12-5-9-16 RE:

SWNW Section 5, T9S, R16E

Lease #U-73087

Duchesne County, Utah

Dear Ms. Crinklaw:

Enclosed please find three copies of the paleontological report for the above captioned well, as requested in your letter dated March 10, 2000. The cover page with original signature was forwarded to you on March 16, 2000.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Anita L. Shipman

**Operations Secretary** 

Enc: Paleontological Survey (3 copies)

State of Utah cc:

Division of Oil, Gas & Mining

ATTN: Lisha Cordova

1594 West North Temple – Suite 1210

P. O. Box 145801

Salt Lake City, Utah 84114-5801

Roosevelt Office

DIVISION OF

#### INLAND RESOURCES, INC.

# PALEONTOLOGICAL SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, SOUTHEASTERN DUCHESNE COUNTY, UTAH

(Sections 5, 6, 11, and 12, Township 9 South, Range 16 East)

#### REPORT OF SURVEY

Prepared for Inland Resources, Inc.

By Wade E. Miller
Consulting Paleontologist
March 27, 2000

#### Introduction

On Thursday, March 16, 2000, Wade Miller received a fax from Jon Holst of Inland Resources in Denver, Colorado, requesting that a paleontological field survey be performed on various proposed well units in southeastern Duchesne County. The requested areas to be surveyed involved seven quarter, quarter sections as follows: Jonah Unit 4-12; NW 1/4, NW 1/4, Sec. 12, T 9 S, R 16 E, Jonah Unit 1-11; NE 1/4, NE 1/4, Sec. 11, T 9 S, R 16 E, Jonah Unit 2-11; NW 1/4, NE 1/4, Sec. 11, T 9 S, R 16 E, Jonah Unit 3-11; NE 1/4, NW 1/4, Sec. 11, T 9 S, R 16 E - Wells Draw Unit 5-5; SW 1/4, NW 1/4, Sec. 5, T 9 S, R 16 E, Wells Point Unit 12-5; NW 1/4, SW 1/4, Sec. 5, T 9 S, R 16 E. These units are located on both the Myton SE and Myton SW 7.5' USGS quadrangles. Several previous paleontological surveys have been made by Wade Miller at proposed well locations in the general area, some being close to those surveyed for the present report.

It is critical that these and other areas be surveyed paleontologically, as important fossils may be encountered during excavating activities. Some have already been found and noted in previous survey reports. The extensive well fields south of Myton, Utah, being developed by Inland Resources, Inc., are on beds of the Uinta Formation, one of the most paleontologically significant formations in Utah. The fossil fauna recovered from this formation is truly impressive. It includes various plants, fish, amphibians, reptiles and mostly mammals. Their study has not only provided data about the various taxa, but has contributed to a knowledge of climatic conditions that existed at the time, about 40 - 42 million years ago. While many types of fossil vertebrates have already been discovered, there is the possibility that better specimens will be found which can provide significant new information. Also, it is likely that new species will be discovered in time.

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#### **Paleontological Field Survey**

The present paleontological field survey was done on Saturday, March 25, 2000. Each of the quarter/quarter sections listed above was surveyed on foot. While the bulk of the area surveyed was on the Eocene age Uinta Formation, Wells Draw, which bisects some of surveyed units, contains substantial amounts of Quaternary alluvium. While some of these deposits are undoubtedly of Holocene (Recent) age, some appeared to be Pleistocene. And Pleistocene sediments have produced important vertebrate fossils, such as mammoths, mastodons, giant ground sloths and other extinct animals from various parts of Utah. For this reason the deposits in Wells Draw were carefully inspected where they existed in the area of the present survey.

Some, but not all, of the quarter/quarter sections surveyed were marked by stakes, making their exact locations easier to survey. Staked areas included the SW 1/4, NW 1/4, and NW 1/4, SW 1/4, Sec. 5, T 9 S, R 16 E, of the Wells Draw and Wells Point units. The ground surface here and in the NW 1/4, SW 1/4, Sec. 6. T 9 S, R 16 E, was largely covered in weathered rock fragments from the Uinta Formation and desert soil. However, numerous rock outcrops were noted on the slopes of Wells Draw. These consisted of interbedded sandstones and shales, mostly the former. The sandstone beds range from thick to thin with some cross-bedding, from coarse to fine in particle size, and brown to tan to brownish-green in color. The shales were reddish-brown in some areas, green in others. All these units were carefully inspected for fossils, as were the Quaternary sediments at the bottom of Wells Draw.

The four quarter, quarter sections listed above in the Jonah Unit, since they are contiguous, were walked out and paleontologically surveyed as one unit. There are only limited exposures of bedrock in all four of these quarter, quarter sections. Most of the area is covered with weathered rock fragments and desert soil, which is not conducive for finding fossils. Two arroyos running through the area provided the only significant outcrops of Uinta Formation. These are mostly sandstone layers with some exposed intercalated shales. Again, the nature of the sandstones was similar to those given above. It was noted here, however, that ripple marks occur in some of the

finer grained sandstones. Cross-bedding occurs in coarser sandstone units. Both the ripple marks and cross-bedding are indicative of current action, and serve to demonstrate that many of the units were deposited in stream channels.

#### **Results of Survey**

In the Wells Draw and Wells Point quarter, quarter sections, plant fossils consisting mostly of twig and leaf fragments are locally abundant. These are mainly confined to an upper brown sandstone bed of medium sized sand grains. The only difference in these plant fossils in the three quarter, quarter sections is that those in the NW 1/4, SW 1/4, Sec. 6, T 9 S, R 16 E, contained some small to moderate sized branches. Mostly, though, these are of impressions, with few compressions.

In the four quarter, quarter, sections of the Jonah Units, only a few possible fossil plant fragments were observed. However, in Jonah Unit 3-11; NE 1/4, NW 1/4, Sec.11, T 9S, R 16 E, at the bottom of the arroyo, a few burrowing structures were noted in the finer grained sandstones.

#### **Recommended Mitigation**

While plant fossils were observed at a few localities, as noted above, their poorly preserved nature and condition makes them scientifically relatively unimportant. The uncommon burrowing structures found are also not considered to be of scientific importance. There was a total absence of any vertebrate fossils seen in any of the seven quarter, quarter sections surveyed paleontologically. Therefore, the only mitigation recommended is to inform those excavating these areas that it is still possible that important fossils could be uncovered, and that they should immediately contact a paleontologist if bones are uncovered.

Wade E. Milla



UNITED STAT

SUBMIT IN TRIPLICATE\*
(Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires December 31, 1991

	U OF LAND MAI	NAGEMENT	<u> </u>	-			UTU-73	
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b. TYPE OF WELL							West Point Un	it
OIL GAS WELL X WELL	ОТНЕ	R	SINGLE ZONE	MULT.	PLE .	1	8. FARM OR LEASE NA West Point	ME
. NAME OF OPERATOR	<del></del>						9. WELL NO.	
nland Production Co	mpany		-				12-5-9-16	
ADDRESS OF OPERATOR	- 700 Damies C	00000	Dha	/9	00) 000 040		10. FIELD AND POOL O	
110 - 17th Street, Suite LOCATION OF WELL (Report to				ie. (3	03) 893-010	12	Monument Bu	
	FWL & 1909.4' FSL		,				AND SURVEY OR ARI	
t proposed Prod. Zone			·	,			Section 5, T9S	s, R16E
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Approximately 1		1			· · ·		Duchesne	UT
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Inland Productio				in ac	cordance w	ith the at		<b>EIVE</b> D
							OIL, GAS	SION OF AND MINING
I ABOVE SPACE DESCRIBE PRO	_	-			-		- · · · · · · · · · · · · · · · · · · ·	<b>:</b> .
proposal is to drill or deepen direction.  SIGNED	Conally, give pertinent data of	on subsurface locar	Counsel	and true	vertical depths. Gi	DATE	3/15/00	
Jon Holst								
(This space for Federal or State office u	se)		<u> </u>					REFERENCE PARTIES
PERMIT NO. NOTICE (	OF APPROVA	AL APPRO	CNDI	<u> 10</u>	ns of	APF	ROVAL	ATTACH
Application approval does not warrant of	or certify that the applicant holds	legal or equitable title	e to those rights in th	e subject lea	se which would entitl	e the applicant to	conduct operations thereon.	
CONDITIONS OF APPROVAL, IF AN	NY:	Acting	-Assistant F Mineral	ield M	ianager		11111	0000
APPROVED BY	emesh	TITLE	Mineral	Hesol	11000	DATE	JUN 12	2000

#### \*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGM DOLC 1553A

COA's Page 1 of 2 Well: 12-5-9-16

# CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator:	Inland Production Company
Well Name & Number:	West Point 12-5-9-16
API Number:	43-013-31933
Lease Number:	U-73087
Location: NWSW S	Sec. <u>05</u> T. <u>09S</u> R. <u>16E</u>
Agreement:	West Point (GR) SR

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### **Drilling Operations**

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water identified at ± 830 ft.

COA's Page 2 of 2 Well: 12-5-9-16

# SURFACE USE PROGRAM Conditions of Approval (COA)

## Plans For Reclamation Of Location

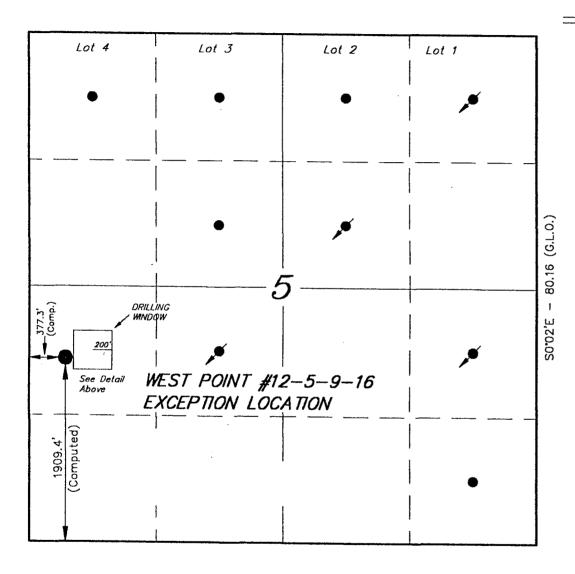
All seeding for reclamation operations at this location shall use the following seed mixture:

galleta grass	Hilaria jamessi	3 lbs/acre
black sagebrush	Artemisis nova	4 lbs/acre
fringed sagebrush	Artemisis frigida	3 lbs/acre
blue gramma grass	Bouteloua gracilis	2 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled topsoil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

T9S, R16E, S.L.B.&M.



## INLAND PRODUCTION COMPANY



**LEGEND** 

= INJECTION WELL

= OIL WELL

## TRI STATE LAND SURVEYING & CONSULTING

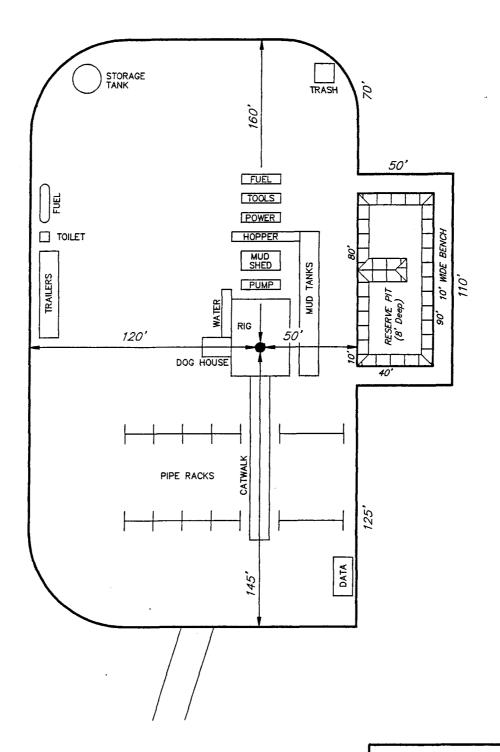
38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 1-3-00	WEATHER: FAIR

NOTES: FILE #

## TYPICAL RIG LAYOUT

# WEST POINT #12-5-9-16



Tri State
Land Surveying. Inc.

(801) 781-2501

38 WEST 100 NORTH, VERNAL, UTAH 84078



Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton

Division Director

# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

June 19, 2000

Inland Production Company 410 - 17th St, Suite 700 Denver, CO 80202

Re:

West Point Unit 12-5-9-16 Well, 1909' FSL, 377' FWL, NW SW, Sec. 5, T. 9 South,

R. 16 East, Duchesne County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31933.

Sincerely,

John R. Baza

Associate Director

er

**Enclosures** 

cc:

**Duchesne County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Inland Production Company				
Well Name & Number	West Point Unit 12-5-9-16				
API Number:		43-013-31933			
Lease:	· · · · · · · · · · · · · · · · · · ·	UTU-73087			
Location: NW SW	Sec. 5	T. 9 South R. 16 East			

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338
- Contact Robert Krueger at (801) 538-5274.

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



September 5, 2000

**Bureau of Land Management** Vernal District Office, Division of Minerals 170 South 500 East Vernal, Utah 84078

Attn:

Mr. Edwin I. Forsman

Re:

Geologic Prognosis

Dear Mr. Forsman:

43.013.31930

Enclosed please find the prognosis for the following wells:

- Jonah Federal #1-11-9-16
- Jonah Federal #2-11-9-16
- Jonah Federal #3-11-9-16
- Jonah Unit #4-12-9-16
- Wells Draw #5-5-9-16
- West Point #12-5-9-16
- West Point #13-5-9-16
- Nine Mile #12-6-9-16 West Point U 12-6-9-16
- West Point #9-31-8-16
- Odekirk Spring #1-A-35-8-17
- Odekirk Spring #9-36-8-17
- Odekirk Spring #16-36-8-17

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Madalyn M. Kunge Madalyn M. Runge

**Operations Secretary** 

**Enclosures** 

State of Utah, Division of Oil, Gas and Mining

Attn: Mr. Robert Krueger

P.O. Box 145801

Salt Lake City, Utah 84114-5801

Well File - Denver Well File - Roosevelt RECEIVED

SEP 0 7 2000

**DIVISION OF** OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY GEOLOGIC PROGNOSIS AND LOG DISTRIBUTION LIST

(Updated 8/21/00)

**WELL**: West Point #12-5-9-16

**API Number**: 43-013-31933

LOCATION: 1909' FSL, 377' FWL (NWSW)

Section 5, T9S, R16E
Duchesne County, Utah

ELEVATION: 5815' Ground

5825' KB

TOPS:		ANTICIPATED PAY SANDS:		
Uinta Formation	surface			
Green River Formation				
Garden Gulch Member		GB-4	4273'	
Point Three Marker	4376'	GB-6	4360'	
'X' Marker	4638'	PB10	4560'	
'Y' Marker	4673'	С	4975'	
Douglas Creek Member	4785'	A-3	5283'	
Bicarbonate	5017'	LODC	5313'	
B Limestone	5123'	CP-2	5775'	
Castle Peak Limestone	5680'	CP-4	5900'	
Basal Limestones				

TOTAL DEPTH: 6000'

**CORES:** None planned **DSTS:** None planned

**SAMPLES:** 30' samples from 3000' to TD

**DRILLING:** 

Union Rig#14: (435) 828 6434 Pusher: (435) 828 6433 Rex Harris

Superintendent: David Gray (435) 828 8031 (cellular)

REPORT WATER FLOWS TO UTAH DIVISION OF OIL, GAS AND MINING: (801) 538 5340

#### **OPEN HOLE LOGGING:**

Phoenix Surveys: David Jull (435) 637 4420

DIGL/SP/GR Suite: TD to surface casing CDL/CNL/GR/CAL Suite logs: TD to 3000'

Gamma Ray scale 0-150 Matrix density 2.68 LAS data floppy required.

> West Point #12-5-9-16 Page 1 of 2

#### **DATA DISTRIBUTION:**

Inland Production Company (Mail 6 copies)
Route #3 Box 3630
Myton, UT 84052
Attn: Brad Mecham

Inland Production Company (Mail 6 copies, EXPRESS)
410 17th St., Suite 700
Denver, CO 80202
Fax: 303-382-4455
Attn: Madalyn M. Runge

State of Utah
Division of Oil, Gas and Mining (Mail 1 copy)
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Bureau of Land Management (Mail 1 copy) 170 S. 500 East Vernal, UT 84078 Attn: Ed Forsman

#### **COMPANY CONTACTS:**

Pat Wisener (District Drilling Foreman) (435) 646 3721 office (435) 646 3031 office fax (435) 823 7468 cellular (435) 646 1270 pager

**Brad Mecham** (District Manager) (435) 646 3721 office (435) 646 3031 office fax

(435) 823 6205 cellular

(435) 353 4211 home

Kevin Weller (Operations Manager)

(303) 382-4436 office (303) 279-7945 home (303) 358-3080 cellular

#### **PARTNERS:**

Yates Drilling Company
Abo Petroleum Corporation
Myco Industries, Inc.
Attn: Mark Mauritsen
105 South Fourth Street
Artesia, NM 88210
505-748-1471
505-748-4570 – office fax
Mail 1 field print & 2 copies of final print
(Fax 1 Field Print to: (505) 748-4321

## DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY
Well Name: WEST POINT U 12-5-9-16
Api No 43-013-31933 LEASE TYPE: FEDERAL
Section 05 Township 09S Range 16E County DUCHESNE
Drilling Contractor <u>LEON ROSS DRILLING</u> RIG # 14
SPUDDED:
Date10/23/2000
Time 1:00 PM
How
Drilling will commence
Reported by PAT WISENER
Telephone #1-435-823-7468
Date 10/24/2000 Signed: <u>CHD</u>

- 43

	ACTION	CURRENT	NE
	CODE	OK YTITAB	SNIIT
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STATE OF UTAH

DIVISION	DRIVING CAS AAD, JAO 30 NOISIVID			ADDRESS:	3630						
ENTIT	YACTION	FORM -FORM	16		MYTON, U	T 8405	2				
ACTION	CURRENT	WS#	API NUNASA	KELLNAVE	Т		WELL	CCATION		SPUO	EFFECTIVE
CODE	OK YTITAB	SMITTY NO			QQ	\$C	ŢP	RG !	COS/JIMTY	STAG	DATE.
*	99999	12418	43-013-31933	West Point #12-5-9-16	NWISW	5	95	16E	Duchesne	October 23, 2000	10/23/2000
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АСТЮН	CURRENT	HEW	APINUMBER	Wall Naye			VELL LOCAT	÷СЧ		SFUD	EFFECTIVE
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/O ACTIONS	CURRENT	NEV ENTRYO	AP: NUMBER	WELLNAME	cc i	sc	Nem.	OCATON RG	COUNTY	SPCO DATE	SPFECTIME DATE
A	99999	12940	43-013-32124	South Wells Draw #5-2	WWW.	2	98	16E	Duchesne	October 30, 2000	10/30/2000
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OPERATOR: INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO.

M5160

FORM 3160-5 (June 1990)

#### NITED STATES ENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1

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В	u	dge	ŧ	Вι	ıre	a	u	No	. 1	1004	-013	j.

Expires: March 31, 1993

<ol><li>Lease Designation and Serial N</li></ol>
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SUNDRY NOTICES AND REPORTS ON WELLS UTU-73087 Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE West Point 1. Type of Well 8. Well Name and No. Oil Gas # 12-5-9-16 Well Other 9. API Well No. 43-013-31933 INLAND PRODUCTION COMPANY 10. Field and Pool, or Exploratory Area MONUMENT BUTTE 3. Address and Telephone No. 435-646-3721 Route 3 Box 3630 Myton, Utah 84052 11. County or Parish, State 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) 377.3' FWL & 19009.4' FSL **Duchesne County, UTAH** Sec.5, T9S, R16E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion New Construction Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection SPUD NOTICE Dispose Water (Note: Report results of multiple completion on Well

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU Leon Ross RIG # 14. Drill mouse hole & rat hole. Spud well @ 1:00pm on 10/23/00. Drill 12 1/4" hole with air mist to a depth of 307". TIH w/ 7 jt's 85/8" J-55 csg. Landed @ 293.02' GL. On 9/26/00. Cemented with 155 sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 6 bbls cement to surface. Wait on drilling rig.

RECEIVED

Completion or Recompletion Report and Log form.)

MOV n 1 2000

DIVISION OF OIL, GAS AND MINING

receby certify that the pregoing is true find correct Signed	Title	Drilling Foreman	Date	10/26/2000
(This space for Federal or State office use)				
Approved by	Title		Date	

## INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

		<del></del>	8 5/8	CASING SET	AT	303.02			
					Sjt=257.22'				
LAST CASIN	G <u>8 5/8"</u>	SET A	AT303.02	- <u></u>	OPERATOR		Inland Pro	duction Cor	mpany
DATUM	10' KB				WELL		West Poin	t 12-5-9-16	
DATUM TO	CUT OFF C	ASING _			FIELD/PROS	SPECT	Monumen	t Butte	
DATUM TO E	BRADENHE	AD FLANGE		· · · · · ·	CONTRACT	OR & RIG#		Union # 14	<u> </u>
TD DRILLER	307'	LOGGE	ER	· ———		,			
HOLE SIZE	12 1/4	<b>,</b>							
<u> </u>									
LOG OF CAS	SING STRIN	IG:							
PIECES	OD	ITEM - I	MAKE - DESCI	RIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING J	Γ						3.7
		WHI - 92 cs	g head				8rd	Α	0.95
7	8 5/8"	Maverick ST	&C csg		24#	J-55	8rd	Α	291.17
		<u> </u>	GUIDE	shoe			8rd	Α	0.9
CASING INVENTORY BAL.			FEET	JTS	TOTAL LEN	GTH OF ST	RING		296.72
TOTAL LENG	STH OF ST	RING	296.72	7	LESS CUT OFF PIECE				3.7
LESS NON C	SG. ITEMS	3	5.55	·	PLUS DATUM TO T/CUT OFF CSG				10
PLUS FULL	JTS. LEFT (	OUT	0		CASING SET DEPTH 30				
	TOTAL		291.17	7					
TOTAL CSG	DEL. (W/O	THRDS)	291.17	7	COMPARE				
TIMING		_	1ST STAGE						
BEGIN RUN	CSG.		RAT Hole	10/23/2000	GOOD CIRC	THRU JOE	3	YES	
CSG. IN HOI	E				Bbis CMT C	IRC TO SUI	RFACE _	6	
BEGIN CIRC					RECIPROC	ATED PIPE	FOR	THRU	FT STROKE
BEGIN PUM	PCMT				DID BACK F	PRES. VALV	/E HOLD ?	N/A	
BEGIN DSPI	CMT				BUMPED P	LUG TO _		150	PSI
PLUG DOW	١		cemented	10/26/2000					
CEMENT US	ED			CEMENT CO	MPANY-	BJ		_	
STAGE	# SX			CEMENT TYPE	PE & ADDITIV	√ES			
1	155	Class "G" w	/ 2% CaCL2 +	1/4#/sk Cello-l	Flake mixed (	@ 15.8 ppg	1.17 cf/sk yie	ld	
								REC	CEIVE
CENTRALIZ	ER & SCRA	TCHER PLAC	CEMENT			SHOW MA	KE & SPACI		Market and Market and
Centralizers	s - Middle f	irst, top seco	ond & third for	3				NO	V 0 1 2000
				·				Df	VISION OF
									S AND MININ

DATE 10/26/2000

COMPANY REPRESENTATIVE

Pat Wisener

FORM 3160-5 (June 1990)

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROV
Budget Bureau l

Budget E	Bureau No.	1004-013
Expires:	March 31	1993

Non-Routine Fracturing

Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Water Shut-Off

Dispose Water

	Expires:	March 31,	1993
5.	Lease Design	ation and S	erial No

SUNDRY NOTICES AND REPORTS ON WELLS	UTU-73087
Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  Use "APPLICATION FOR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name  NA
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation  West Point
1. Type of Well Oil Well Well Other	8. Well Name and No. # 12-5-9-16 9. API Well No.
Name of Operator     INLAND PRODUCTION COMPANY  3. Address and Telephone No.	43-013-31933  10. Field and Pool, or Exploratory Area  MONUMENT BUTTE
Route 3 Box 3630 Myton, Utah 84052 435-646-3721  4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  377.3' FWL & 19009.4' FSL NW/SW  Sec.5, T9S, R16E	Duchesne County, UTAH
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA F ACTION
Notice of Intent Abandonment Recompletion	Change of Plans New Construction

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

X Subsequent Report

Final Abandonment Notice

MIRU Leon Ross RIG # 14. Drill mouse hole & rat hole. Spud well @ 1:00pm on 10/23/00. Drill 12 1/4" hole with air mist to a depth of 307". TIH w/ 7 jt's 85/8" J-55 csg. Landed @ 293.02' GL. On 9/26/00. Cemented with 155 sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 6 bbls cement to surface. Wait on drilling rig.

Plugging Back

Casing Repair

Other

Altering Casing

SPUD NOTICE

14. I hereby certify that the foregoing is true and correct Signed	Title Drilling Foreman	Date	11/27/2000
(This space for Federal or State office use) Approved by	Title	Date	
Conditions of approval, if any:  CC: UTAH DOGM			

FORM 3160-5 (June 1990)

1. Type of Well

2. Name of Operator

3. Address and Telephone No.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

377.3' FWL & 1909.4' FSL NW/SW SEC.5, T9S, R16E

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

_	NITED STATES
DEPAR	ENT OF THE INTERIOR
BUREAU	OF LAND MANAGEMENT

FORM APPRO
Budget Bureau

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Duagei	Dureau	INO.	1004-013

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#	UTU	-73	087
π	-	-10	V U /

11. County or Parish, State

# Duchesne, Utah.

6.	If Indian,	Allottee	or Tribe	Name
υ.	AL MIGIAII,	Anonce	01 11100	TAUTHO

Use "APPLICATION FOR PERMIT -" for such proposals	NA NA
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation # West Point Unit
ype of Well  X Oil Well Gas Well Other	8. Well Name and No. # W. P. 12-5
une of Operator	9. API Well No. # 43-013-31933
INLAND PRODUCTION COMPANY  Idress and Telephone No.	10. Field and Pool, or Exploratory Area # Monument Butte
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721	11. County or Parish, State

12. CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE (	OF ACTION
Notice of Intent  X Subsequent Report	Abandonment Recompletion Plugging Back Casing Repair	Change of Plans New Construction Non-Routine Fracturing
Final Abandonment Notice	Altering Casing  X Other Weekly Status	Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

#### Weekly Status report for the period of 11/27/00 thru 12/3/00

TOH with drill string and BHA. PU & MU bit #2, MM, & BHA. TIH with same. Drill 77/8" hole with water based mud to a depth of 5998'. Lay down drill string & BHA. Open hole log. PU & MU 1jt 51/2" csgn. & float colar,140 Jt's 51/2" J-55 15.5# csgn, Set @ 5991/kb. Cement with \*275 sks PremLite II w/ .5%SMS,+10%Gel,+3#/skBA-90,+2#/sk K-seal,+1/4#/sk Cello-flake,+3% KCl, Mixed @, 11.0ppg > 3.43YLD. \*580 sks 50/50 Poz w/3%KCL,+ 2%Gel,+1/4#/sk Cello-flake,+ .3% Sod. Meta, Mixed @ 14.4ppg > 1.23YLD. Good returns with 15 bbls returned to surface. Drop slips with 72,000 # string weight. Nipple down BOP's. Clean pits and release rig @12:15 pm on 11/30/00. WOC.

14. I hereby certify that the foregoing is true and correct			- A	DIVIDA IL, GAS	1
Signed At Wi Server Pat Wisener	Title	Drilling Foreman		Date	12/04/2000
(This space for Federal or State office use) Approved by	Title			Date	
Conditions of approval, if any:	<del></del>				

<sup>13.</sup> Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

## INLAND PRODUCTION COMPANY - CASING & CEME REPORT

			3 1/2	CASING SET	^'	5990.89			
						fltcllr@5980			
LAST CASI	NG <u>8 5/8"</u>	SET A	T 303.02		OPERATOR Inland Production Compan			npany	
DATUM _	10' KB				WELL		West Poin	t 12-5-9-16	
DATUM TO	CUT OFF C	ASING _			FIELD/PRO	SPECT _	Monument	Butte	
DATUM TO	BRADENHE	AD FLANGE			CONTRACT	OR & RIG#		Union # 14	<u></u>
TD DRILLEF	R <u>6000'</u>	LOGGE	R 6012'						
HOLE SIZE	7 7/8"								
LOG OF CA	ASING STRIN	IG:						· · · · · · · · · · · · · · · · · · ·	
PIECES	OD	ITEM - N	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
	ļ								<del></del>
140	5 1/2	1	&C csg (39' fla	g)	15.5#	J-55	8rd	A	5993.19
		Float Collar					8rd	A	0.6
1	5 1/2	Maverick LT			15.5#	J-55	8rd	Α	10.45
			GUIDE	shoe			8rd	Α	0.65
	VENTORY BA				l	6004.89			
TOTAL LENGTH OF STRING 6004.89			LESS CUT OFF PIECE			24			
LESS NON CSG. ITEMS 1.25			PLUS DATUM TO T/CUT OFF CSG			5000.00			
PLUS FULL	JTS. LEFT (	301	45.07		CASING SE	IDEPIH		l	5990.89
	TOTAL		6048.71		}				
	G. DEL. (W/O	THRDS)	6048.71		∫ COMPAF	₹E			
TIMING			1ST STAGE	2nd STAGE					
BEGIN RUN			3:000am						
CSG. IN HO			6:30am	7.05	Bbis CMT C			15	OTD 0.4-
BEGIN CIR			6:45am	7:35am	i			.THRU 8' <u>FT</u>	STROKE
BEGIN PUN			7:44am	8:14am	1		E HOLD ?	YES	DO!
BEGIN DSF			8:48am	9:12am	BUMPED PI		2200		PSI
PLUG DOW CEMENT U		<u></u>		CEMENT COI		BJ	<del></del>		
STAGE	# SX			CEMENT TYP			<del></del>		
1	275	Prem Lite II v	w/ 10% GEL &	3% KCL mixed	-			<u>e</u>	
2	580			% KCL mixed				<u>មា</u> មា	
<u>-</u>	500	30/30 T 02 W	W Z/O OLL GO	70 ROL HILCO				CAS CO	<del>()</del>
CENTRALIZ	 7FR	<b>!</b>				SHOW MAK	E & SPACIN	<u> 20</u>	22.000
		rst top seco	nd & third Th	en every thire					
001111011201	THIGHTO III	, top 5000i		57517 11111	<u> </u>	13141 01 20.		MAC AND	
								Com.	麗州 生栽

COMPANY REPRESENTATIVE Pat Wisener

DATE \_\_\_\_11/30/00

FORM 3160-5 (June 1990)				FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do no	SUNDRY NOTICES AND REPO		l	Lease Designation and Serial No. UTU-73087 f Indian, Allottee or Tribe Name
D0 110		PERMIT" for such proposals		NA
	SUBMIT IN TR	IPLICATE	7.	If Unit or CA, Agreement Designation West Point Unit
1. Type of Wel Oil We	Gas		\	Well Name and No. <b>West Point 12-5-9-16</b> API Well No.
2. Name of Op	Inland Production Compan	у	10.	43-013-31933 Field and Pool, or Exploratory Area
4. Location of	Well (Footage, Sec., T., R., m., or Surve		11.	Monument Butte County or Parish, State Shesne County Utah
12. CHECK A	& 1909.4' FSL NW/SW Section 5, T9S, RI PPROPRIATE BOX(s) TO INDICATE PE OF SUBMISSION			
	Notice of Intent  X Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Status report	(Note	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water Expert results of multiple completion on Well
proposed work this work.)* Status Subject well ha	roposed or Completed Operations (Clea I. If well is directionally drilled, give sure report for ad completion procedures initiated on plugs were removed from wellbore. Zo	bsurface locations and measured and time period 1/22/01. A total of three Green Riv	e pertinent dates, include true vertical depths for 1/22/01 er intervals were perfo	
,				
14. I hereby ce Signed	rtify that he foregoing is true and corre Gary Dietz	ctTitleCompletion F	oreman	Date <b>28-Jan-01</b>

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Date

Title

(This space for Federal or State office use)
Approved by
Conditions of approval, if any:
CC: Utah DOGM

FORM 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31 1993

Expires:	March	31,	1993	
Lease Desig	gnation	and	Serial	No.
LITH TOOK	-			

SUNDRY NOTICES AND REPOR	5. Lease Designation and Serial No. UTU-73087				
Do not use this form for proposals to drill or		6. If Indian, Allottee or Tribe Name NA			
SUBMIT IN TRIF	PLICATE	7. If Unit or CA, Agreement Designation West Point Unit			
1. Type of Well Oil Gas Well Other		8. Well Name and No.  West Point 12-5-9-16  9. API Well No.			
2. Name of Operator Inland Production Company		43-013-31933 10. Field and Pool, or Exploratory Area			
3. Address and Telephone No.  Route #3 Box 3630 My  4. Location of Well (Footage, Sec., T., R., m., or Survey 377.3' FWL & 1909.4' FSL NW/SW Section 5, T9S, R16	Monument Butte 11. County or Parish, State Duchesne County Utah				
12. CHECK APPROPRIATE BOX(s) TO INDICATE I TYPE OF SUBMISSION	NATURE OF NOTICE, REPORT, OR OTHER D TYPE OF ACTION	ATA			
Notice of Intent  X Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Status report	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
13. Describe Proposed or Completed Operations (Clearl proposed work. If well is directionally drilled, give substitution work.)*  Status report for Subject well had completion procedures initiated on 1 plugs and sand plugs were removed from wellbore. Zo pump on 1/30/01.	surface locations and measured and true vertical determine period 1/2/22/01. A total of three Green River intervals we	epths for all markers and zones pertinent to  9/01 through 2/4/01.  are perforated and hydraulically fractured. Bridge			
14. I hereby certify that the foregoing is true and correct Signed	Title <b>Completion Foreman</b>	Date <b>5-Feb-01</b>			
(This space for Federal or State office use) Approved by	Title	Date			
Conditions of approval, if any: CC: Utah DOGM  Title 18 U.S.C. Section 1001, makes it a crime for any p false, fictitious or fraudulent statements or representation	erson knowingly and willfully to make to any dep.				

FORM 3160-4 (July 1992)

# **UNITED STATES**

DEPARTMENT OF THE INTERIOR

IT IN DOZZICATE*	FORM APPROVED
(See other in-	OMB NO. 1004-0137
structions ons reverse side)	Expires: February 28, 1995
reverse side)	5 LEASE DESIGNATION AND SERIA

			BUKE	AU U	P LAN		NAGE	AI E IA I						010	-/3	0007
WELL	CON	/IPL	ETION	OR F	RECO	MPL	ETIO	N REF	PORT	ΑN	D LOG*	.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME  NA			
1a. TYPE OF WO												7. UNIT AGREEMENT NAME				
IR. TYPE OF WO	KK		OIL )	त	GAS WELL		DRY	П	Other							NT UNIT
1b. TYPE OF WEI	LIL		WELL [_		WELL	L										
NEW 😾	WORK		. [	7	PLUG		ÐIFF							R LEASE NAI		
WELL X	OVER		DEEPEN		BACK		RESVR.	<u> </u>	Other						NT	12-5-9-16
2. NAME OF OPERAT	OR		INI	LANIT	RESC		יבפ ואוכ					- (	9. API WELI		122	1022
3. ADDRESS AND TE	LEPHONE 1	NO.		LANL	J RESC	UKC	ES INC	<i>,</i> .					43-01331933 10. FIELD AND POOL OR WILDCAT			
			410 17th	St. S	uite 700	) Dei	nver, C	O 8020	2				1	MONUMI	ENT	BUTTE
4. LOCATION OF V	WELL (Rep	port loc	ations clearly a	nd in acc	cordance wi	th any S	tate require	ments.*)							OCK	AND SURVEY
At Surface			NIVA	SIW 3-	77.3 FV	л 1	000 4 E	'CI					OR AREA	•		
Atton and Tutomol	noncerted b	alaw.	14000	JVV 5.	11.51 V	v ⊑, ≀·	303.71	OL				İ	. 9	ECTION	5 7	Г9S,R16E
At top prod. Interval	reported b	ciow										-	- 0	LOTION	<u>J, I</u>	130,1130L
At total depth					14. PERMIT	NO.	3/93:	₹ . D	ATE ISSUED	)		1	2. COUNTY	OR PARISH	$\neg$	13. STATE
					<del></del>				DUC	HESNE		UT				
15. DATE SPUDDED 10/23/00	16. DATE		eached 0/00	17. DA	TE COMPL.	(Ready to 23/01		18. EL		(DF, R 115'	KB, RT, GR, ET	C.)*			19. E	ELEV. CASINGHEAD 5805'
20. TOTAL DEPTH, M			1. PLUG BACK	.1 T.D. MI			2. IF MULTI	PLE COMPI		<del>-</del>	NTERVALS	ROTA	RY TOOLS		<u></u>	ABLE TOOLS
	,	Į					HOW MA		,	1	RILLED BY				ΙŤ	
59909.8				947						<u> </u>	>	<u> </u>	X		L	····
24. PRODUCING INTE	ERVAL(S), (	OF THIS	S COMPLETION	ТОР, В	OTTOM, NA	ME (MD	AND TVD)	*								WAS DIRECTIONAL
						Gree	en Rive	r							3	URVEY MADE
						0,00	317 1 (170)									No
26. TYPE/ELECTRIC A	ND OTHER	R LOGS	RUN	12-11	1-00			12-	11-00						27. V	VAS WELL CORED
CRI GRICAT	2010	DIGL	JSP/GR	ΓD to				L/CNL	/ĠR/CA		TD to 3000	0'				No
23.	(OD LDE								ings set in v	well)	mon on an a					
	CASING SIZE/GRADE         WEIGHT, LB./FT.         DEPTH SET (MD)         HOLE SIZE         TOP OF CEMENT, CEM           8-5/8         24#         303.02         12-1/4         155 sx class "G"\									AMOUNT PULLED						
5-1/2		$\dashv$	15.5#	ŧ	<u> </u>	990.8					5 sx Prem					
		一						580 sx 50/50						$\vdash$		
										1					Г	<del></del>
29.	,			RECO	RD					30.			UBING RE			
SIZE		TOP (M	D)	BOTTO	M (MD)	SAC	KS CEMENT	r* SCR	EEN (MD)	<u> </u>	2-7/8		PTH SET (N		-	TA @
	<b></b>									-	2-110		EOT @ 5639.66		<del> </del>	5445.66
31. PERFORATION R	ECORD (Is	aternol.	size and number	•)				32.		Δ.	CID, SHOT, F				7 F	"
IN	TERVAL	_			<u>ZE</u>	N	UMBER		DEPTH INTE							ERIAL USED
(LDC5 S	,				38				5390-			All LDC Sds-w/ 213,180				
(LDC 4 S (LDC 3 S					38 38		24 20		5451-5457 5479-5484						)# 20/40 sd in 1375	
(LDC 2 S					38		48		5511-	-5523	3'			bbls flu	id	
(LDC 1 S	•			0	38		76		5551-	5570						<del></del>
(A-0.5 SE			3'		38		68		5226-			All A\B	Sds w/			)/40 sd in 1452
•	S) 5112-				38		96	-	5112-					bbls flu		
(C SDS)			ŗ		38		40		4978-			All C\D	Sds w\ 1	•	<u>!</u> 0/4	0 sd in 577 bbls
33.*	S) <b>4882</b> -	4890		0	38		32	UCTION	4882-	4890	<u> </u>			fluid		
DATE FIRST PRODUC	TION	1	PRODUCTION	ÆTHOD	(Flowing, ga	s lift, pun			np)					WELL ST.	ATUS	(Producing or shut-in)
1/30/0					2-		x 1-1/2'	' x 16' F	RHAC P	um	ıp					DUCING
DATE OF TEST		HOURS	TESTED	CHOKE	SIZE	PROD'N		OILBBLS.		GAS-	MCF.	WATER-	-BBL		GAS-	OIL RATIO
10 day av	ا مر					TEST P.	ERIOD	17	75	I	145	l	17			829
FLOW. TUBING PRESS		CASING	G PRESSURE	CALCU	LATED	OI	L-BBL.		GASMCF.	<u> </u>		WATERB		OIL GRAVIT	Y-AP	
					R RATE	1		•					54 A.		10.5 6	
·-·					>	L										
34. DISPOSITION OF G	AS (Sold, us	sed for fi	uel, vented, etc.)	SAR	'& Used	l for !	Fuel					TI	ST WITNES	SED BY	41,	
5. LIST OF ATTACHM	MENTS /		-// <i>/</i> /	July	a USEC	1011	uci							98 3 4 3 1 1 1 <u>1</u> 2	_	<u> </u>
Logs In Item #		N	1///	11										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.3	1 20% 1725
36. I hereby certify the	date force	digar	id attached info	rneztion	is complete	and cor	rect as dete						Oll.,	Klainski ye	a Ú	
SIGNED	/ //		4 1/	V	/	\	TITLE	Mai	nager of	Dev	vlopment O	peratio	ns	DATE		2/28/01

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# United States Department of the Interior



# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-924)

September 16, 2004

#### Memorandum

To:

Vernal Field Office

From:

Acting Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Milas Llouters

Michael Coulthard Acting Chief, Branch of Fluid Minerals

#### Enclosure

1. State of Texas Certificate of Registration

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225 State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson Joe Incardine Connie Seare





## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.





Secretary of State

# ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF INLAND PRODUCTION COMPANY

In the Office of the Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

#### ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

#### ARTICLE 2 - Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE - The name of the corporation is Newfield Production Company."

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

Susan G. Riggs, Treasurer

071572A       16535       62848       73089       76         065914       16539       63073B       73520A       76	5561 5787
071572A       16535       62848       73089       76         065914       16539       63073B       73520A       76	5787
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63073X 63098A 68528A 72086A 72613A 73520X 74477X 75023X 76189X 76331X 76788X 77098X 77107X 77236X 77376X 78560X 79485X 79641X 80207X 81307X

#### **OPERATOR CHANGE WORKSHEET**

ROUTING

1. GLH 2. CDW 3. FILE

Designation of Agent/Operator

Change of Operator (Well Sold)

#### X Operator Name Change

Merger

The operator of the well(s) listed below ha	9/1/2004							
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052				TO: ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052				
Phone: 1-(435) 646-3721 <b>CA</b>	Phone: 1-(435) <b>Unit:</b>		ST POINT	GREEN	RIVER)			
WELL(S)	110.			Unit.			(611221)	212 ( 221)
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NINE MILE 14-31	31	080S	160E	4301332015	12418	Federal	WI	A
WEST POINT 9-31-8-16	31	080S	160E	4301332119	12418	Federal	WI	A
WEST POINT U 12-5-9-16	05	090S	160E	4301331933	12418	Federal	OW	P
NINE MILE 3-6	06	090S	160E	4301331816	12418	Federal	WI	A
NINE MILE 4-6	06	090S	160E	4301331952	12418	Federal	OW	P
NINE MILE 5-6-9-16	06	090S	160E	4301331953	12418	Federal	WI	A
NINE MILE 13-6-9-16	06	090S	160E	4301331954	12418	Federal	WI	A
NINE MILE 15-6-9-16	06	090S	160E	4301332010	12418	Federal	WI	A
NINE MILE 2-7-9-16	07	090S	160E	4301332011	12418	Federal	OW	P
NINE MILE 3-7-9-16	07	090S	160E	4301332012	12418	Federal	WI	A
NINE MILE 4-7-9-16	07	090S	160E	4301332013	12418	Federal	OW	P
NINE MILE 12-7-9-16	07	090S	160E	4301332014	12418	Federal	OW	P
WEST POINT 1-7-9-16	07	090S	160E	4301332210	12418	Federal	OW	P
WEST POINT 8-7-9-16	07	090S	160E	4301332211	12418	Federal	OW	P
WEST POINT 9-7-9-16	07	090S	160E	4301332212	12418	Federal	WI	A
WEST POINT 3-8-9-16	08	090S	160E	4301332207	12418	Federal	D_	PA
WEST POINT 4-8-9-16	08	090S	160E	4301332208		Federal	OW	P
WEST POINT 5-8-9-16	08	090S	160E	4301332209	12418	Federal	OW	P
WEST POINT 6-8-9-16	08	090S	160E	4301332282		Federal	OW	P
WEST POINT 3-17-9-16	17	090S	160E	4301332278	12418	Federal	OW	P
WEST POINT 4-17-9-16	17	090S	160E	4301332280	12418	Federal	OW	P
WEST POINT 5-17-9-16	17	090S	160E	4301332281	12418	Federal	WI	A

#### **OPERATOR CHANGES DOCUMENTATION**

#### Enter date after each listed item is completed

(R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 9/15/2004
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/15/2004

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/23/2005

4. Is the new operator registered in the State of Utah:

YES Business Number:

755627-0143

5. If **NO**, the operator was contacted contacted on:

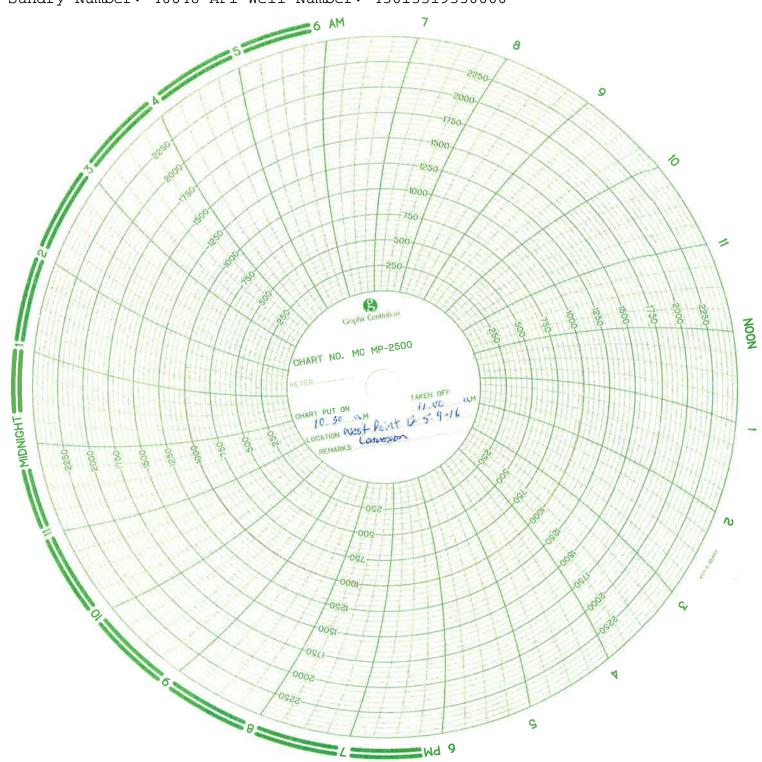
6a. (R649-9-2)Waste Management Plan has been received on:	IN PLACE		
6b. Inspections of LA PA state/fee well sites complete on:	waived		
7 Federal and Indian Lease Weller 71 DIM 1 4	a DIA haa amm	aread the manager t	ana ahanga
<ol><li>Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian lease</li></ol>		BLM	BIA
of operator change for all wens fished on rederar or fidual lease	_	<u> DEMI</u>	<u> </u>
8. Federal and Indian Units:			
The BLM or BIA has approved the successor of unit operator	for wells listed on	: <u>n/a</u>	_
	(IICAII).		
<ol> <li>Federal and Indian Communization Agreements         The BLM or BIA has approved the operator for all wells listed     </li> </ol>		na/	
The BENT of Birt has approved the operator for all wens have	a wimin a C21 on.		_
10. Underground Injection Control ("UIC") The D	Division has approv	ed UIC Form 5, Tra	nsfer of Authority to
Inject, for the enhanced/secondary recovery unit/project for the	water disposal we	ll(s) listed on:	2/23/2005
DATA ENTRY:			4
1. Changes entered in the Oil and Gas Database on:	2/28/2005		
2. Changes have been entered on the Monthly Operator Change	Spread Sheet on:	2/28/2005	<u>5</u>
Bond information entered in RBDMS on:	2/28/2005		
I. Fee/State wells attached to bond in RBDMS on:	2/28/2005		
5. Injection Projects to new operator in RBDMS on:	2/28/2005		
6. Receipt of Acceptance of Drilling Procedures for APD/New on:		waived	
DEDEDAT WELL (C) DOND VEDTELCATION.			
FEDERAL WELL(S) BOND VERIFICATION:  1. Federal well(s) covered by Bond Number:	UT 0056		
1. Pederal wengs) covered by Bond Pulliber.	01 0030		
INDIAN WELL(S) BOND VERIFICATION:			
. Indian well(s) covered by Bond Number:	61BSBDH2912		
DDE 6 CTATE WELL (C) DOND VEDICATION		<u></u>	
FEE & STATE WELL(S) BOND VERIFICATION:  (R649-3-1) The NEW operator of any fee well(s) listed covered	l by Rond Number	61BSBDH2	919
. (K049-3-1) The MEW operator of any fee wen(s) listed covered	i by Bolla Namber	010300112	<del>-</del>
2. The <b>FORMER</b> operator has requested a release of liability from	their bond on:	n/a*	
The Division sent response by letter on:	n/a	<del></del>	
		<del></del>	
LEASE INTEREST OWNER NOTIFICATION:		11 1	the Division
<ol> <li>(R649-2-10) The FORMER operator of the fee wells has been confidence of their responsibility to notify all interest owners of this change</li> </ol>		med by a letter from t	THE DIVISION
of their responsionity to notify an interest owners of this change			
COMMENTS:			
Bond rider changed operator name from Inland Production Compa	ny to Newfield Pro	duction Company - r	eceived 2/23/05
		<del></del>	
•			
*Bond rider changed operator name from Inland Production Company	ny to Newfield Pro	duction Company - r	eceived 2/23/05

	STATE OF UTAH		FORM 9						
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73087						
SUNDF	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)								
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: WEST POINT U 12-5-9-16						
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	<b>9. API NUMBER:</b> 43013319330000								
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	r, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909 FSL 0377 FWL	COUNTY: DUCHESNE								
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 05 Township: 09.0S Range: 16.0E Meric	lian: S	STATE: UTAH						
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA						
TYPE OF SUBMISSION		TYPE OF ACTION							
	ACIDIZE	ALTER CASING	CASING REPAIR						
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME						
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE						
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION						
7/30/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK						
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION						
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON						
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL						
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION						
	WILDCAT WELL DETERMINATION	OTHER	OTHER:						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The subject well has been converted from a producing oil well to an injection well on 07/24/2013. On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen.									
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBE 435 646-4874	R TITLE Water Services Technician							
SIGNATURE N/A		<b>DATE</b> 8/1/2013							

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

435-646-3721								
Witness: Mris lens on Test Conducted by: Brit Je Others Present: Free Park	Date <u>7</u> 1301 <u>1</u>	3 Time 10.30 am pm						
Well: West Point 10-5-9-16	Field: Mo	nument Butte						
Well Location: ww/sw sec 5, T	95 R/65 API No: 43	7-0/3-3/938						
Ouchesne County,								
	CONVERTION							
<u>Time</u>	Casing Pressure	2						
0 min	(000	psig						
5	1000	psig						
10	1800	_ psig						
15	1000	psig						
20	1000	psig						
25	1000	psig						
30 min	1000	psig						
35		psig						
40		psig						
45		_ psig						
50		psig						
55		psig						
60 min		psig						
Tubing pressure:	40,050	_ psig						
Result:	Pass	Fail						
Signature of Witness:  Signature of Person Condu	cting Test:							



Page 1 of 4 Summary Rig Activity

#### **Daily Activity Report**

Format For Sundry W POINT 12-5-9-16 5/1/2013 To 9/30/2013

7/22/2013 Day: 2

Conversion

Wild cat #2 on 7/22/2013 - FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO

Summary Rig Activity

Page 2 of 4

8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL Finalized

Daily Cost: \$0

Cumulative Cost: \$20,343

#### 7/23/2013 Day: 3

Conversion

Wild cat #2 on 7/23/2013 - TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$28,183

#### 7/24/2013 Day: 4

Conversion

Wild cat #2 on 7/24/2013 - 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT

Summary Rig Activity

Page 3 of 4

NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$36,220

#### 7/25/2013 Day: 5

Conversion

Wild cat #2 on 7/25/2013 - 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL

Finalized
Daily Cost: \$0

**Cumulative Cost:** \$43,623

#### 7/31/2013 Day: 6

Conversion

Rigless on 7/31/2013 - Conduct initial MIT - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test.

Summary Rig Activity

Page 4 of 4

There was a State representative available to witness the test - Chris Jensen. - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized** 

Daily Cost: \$0

**Cumulative Cost:** \$75,835

**Pertinent Files: Go to File List** 

API #43-013-31933; Lease #UTU-73087

#### West Point 12-5-9-16 Spud Date: 10/23/00 Put on Production: 1/30/01 Initial Production: 175 BOPD, GL: 5815' KB: 5825' 145 MCFD, 17 BWPD Injection Wellbore Diagram SURFACE CASING FRAC JOB TOC @ 25' CSG SIZE 8-5/8" 1/24/01 5390'-5570' Frac LDC sands as follows: 213,180# 20/40 sand in 1375 bbls Viking I-25 fluid Treated w/ avg. press of 2700 psi @ 36.5 BPM. ISIP 2750 psi, Calc. flush GRADE: J-55 WEIGHT: 24# 5390 gal Actual flush: 5355 gal LENGTH: 7 jnts (296 72') Frac A/B sands as follows: 227,120# 20/40 sand in 1452 bbls Viking 1-25 1/25/01 5112'-5243' DEPTH LANDED 303 02' Casing shoe @ 303\* HOLE SIZE 12-1/4" fluid. Treated w/ avg press of 1800 psi @ 31 2 BPM ISIP 2120 psi Calc flush CEMENT DATA 155 sxs Class "G" cmt, circ. 6 bbls to surf. 5112 gal, Actual flush 5040 gal Frac D/C sands as follows: 1/26/01 4882'-4988' 83,000# 20/40 sand in 577 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 30 BPM ISIP 2135 psi Calc flush 4882 gal. Actual flush: 4788 gal 9/24/01 Pump change. Update rod and tubing details. PRODUCTION CASING 11/24/03 Pump Change. Update rod and tubing detail: CSG SIZE: 5-1/2" 2/27/04 Tubing leak. Update rod and tubing detail. GRADE: J-55 12/22/04 Pump Change. Update rod and tubing details WEIGHT 15.5# 07/24/13 Convert to Injection Well Conversion MIT Finalized - update tbg LENGTH: 141 jnts (6004 89') 07/30/13 detail DEPTH LANDED 5990,893 HOLE SIZE: 7-7/8" CEMENT DATA: 275 sxs PremLite II & 580 sxs 50/50 POZ CEMENT TOP AT 25' per CBL 1/5/01 **TUBING** SIZE/GRADE/WT 2-7/8" / J-55 / 6.5# NO OF JOINTS: 151 jts (4813') SEATING NIPPLE 2-7/8" (1.10') SN LANDED AT 4825' KB RET TOOL AT 4826 1' ARROW #I PACKER CE AT: 4831 3' SWEDGE AT 4835' SN @ 4825' TBG PUP 2-3/8 J-55 AT 4835 5' X/N NIPPLE AT 4839 6' Ret Tool @ 4826' TOTAL STRING LENGTH EOT @ 4841 17' Packer @ 4831' X/N Nipple @ 4840' EOT @ 4841 4882-4890' 4978-49881 5112-5136 5226-5243\* PERFORATION RECORD 5390'-5395' 1/23/01 5390'-5395' 20 holes 1/23/01 5451'-5457' 24 holes 5451'-5457' 5479'-5484' 1/23/01 20 holes 1/23/01 5511'-5523' 5479-5484' 5551'-5570' 1/23/01 76 holes 5511'-5523' 5226'-5243' 1/24/01 68 holes 1/24/01 5112'-5136' 96 holes 5551'-5570' 1/25/01 4978'-4988' 40 holes 1/25/01 4882'-4890' 32 holes NEWFIELD MA PBTD @ 5980' SHOE @ 5991 West Point 12-5-9-16 TD @ 6000' 1909' FSL & 377' FWL NW/SW Section 5-T9S-R16E LCN 07/31/13 Duchesne Co., Utah

					FORM 9				
	STATE OF UTAH				FORWI 9				
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		3	5.LEASE DESIGNATION A UTU-73087	AND SERIAL NUMBER:				
SUNDR	RY NOTICES AND REPORTS	ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)								
1. TYPE OF WELL Water Injection Well									
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	9. API NUMBER: 43013319330000								
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482		DNE NUMBER: tt	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909 FSL 0377 FWL		COUNTY: DUCHESNE							
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWSW Section:	HIP, RANGE, MERIDIAN: 05 Township: 09.0S Range: 16.0E Me	ridian:	S	STATE: UTAH					
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOF	T, OR OTHER DATA					
TYPE OF SUBMISSION			TYPE OF ACTION						
	ACIDIZE		ALTER CASING	CASING REPAIR					
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAM	E				
Approximate date work will start:	✓ CHANGE WELL STATUS	$\Box$	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYP	<b>)</b>				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	NEW CONSTRUCTION					
9/5/2013					IN .				
	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK					
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFE					
	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	L TEMPORARY ABANI	DON				
DRILLING REPORT	TUBING REPAIR	∟ '	VENT OR FLARE	WATER DISPOSAL					
Report Date:	WATER SHUTOFF	؛ لــا	SI TA STATUS EXTENSION	APD EXTENSION					
	WILDCAT WELL DETERMINATION		OTHER	OTHER:					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The above reference well was put on injection at 3:45 PM on									
Lucy Chavez-Naupoto	435 646-4874		Water Services Technician						
SIGNATURE N/A			<b>DATE</b> 9/6/2013						



June 7, 2012

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RECEIVED
JUN 1 2 2012

DIV. OF OIL, GAS & MINING

RE:

Permit Application for Water Injection Well

West Point #12-5-9-16

Monument Butte Field, Lease #UTU-73087

Section 5-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the West Point #12-5-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg Regulatory Lead

# NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL WEST POINT #12-5-9-16 MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**LEASE #UTU-73087** 

**JUNE 7, 2012** 

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WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

**ATTACHMENT H-1** 

#### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

ADDRESS

#### APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company

Approval Date \_\_\_\_\_

Comments:

1001 17th Street, Suite 2000 Denver, Colorado 80202

Well Name and num	nber:	West Poin	t #12-5-9-	16				·	
Field or Unit name:	Monument E	utte (Green	River)				Lease No.	UTU-7308	37
Well Location: QQ	NWSW	_ section	5	township _	98	_range	16E	county	Duchesne
Is this application fo	r expansion o	of an existing	g project?			Yes [X]	No[]		
Will the proposed w	ell be used fo	r:	Disposal*	d Recovery? . ?		Yes[]	No [ X ]		
Is this application fo			>			Yes[]	No [ X ]		
If this application is has a casing test I Date of test:  API number: 43-0	been perform	g well, ed on the w	ell? - -			Yes[]	No [ X ]		
Proposed injection i Proposed maximum Proposed injection z mile of the well.	injection:			to d_pressure _ r [ ] fresh wat	5980 2087 er within	_ _psig 1/2			
	IMPOR	TANT:		al information a any this form.	s require	d by R615	-5-2 should		
List of Attachments:		Attachmer	nts "A" thro	ough "H-1"					
I certify that this rep	ort is true and	d complete t	o the best	of my knowled	lge.				
Title Reg	Sundberg ulatory Lead 3) 893-0102			Signature _ Date	5-7	12			<b>-</b>
(State use only) Application approve	d by					Title			

#### West Point 12-5-9-16

Spud Date: 10/23/00 Put on Production: 1/30/01 GL; 5815' KB; 5825'

SURFACE CASING

### **Proposed Injection**

Initial Production: 175 BOPD, 145 MCFD, 17 BWPD

#### Wellbore Diagram

TOC @ 25'

Casing shoe @ 303'

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#

LENGTH: 7 jnts (296.72') DEPTH LANDED: 303.02

HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt, circ. 6 bbls to surf.

#### FRAC JOB

12/22/04

Packer @ 4832' 4882'-4890' 4978'-4988' 5112'-5136' 5226'-5243'

5390'-5395'

5451'-5457'

5479'-5484'

5511'-5523'

5551'-5570'

PBTD @ 5980' SHOE @ 5991'

TD @ 6000'

Frac LDC sands as follows: 213,180# 20/40 sand in 1375 bbls Viking I-1/24/01 5390'-5570' 25 fluid. Treated w/ avg. press of 2700 psi @ 36.5 BPM. ISIP 2750 psi. Calc. flush: 5390 gal. Actual flush: 5355 gal.

1/25/01 5112'-5243' Frac A/B sands as follows:

227,120# 20/40 sand in 1452 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 31.2 BPM. ISIP 2120 psi. Calc. flush: 5112 gal. Actual flush: 5040 gal.

1/26/01 4882'-4988' Frac D/C sands as follows:

83,000# 20/40 sand in 577 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 30 BPM. ISIP 2135 psi. Calc. flush: 4882 gal. Actual flush: 4788 gal

9/24/01 Pump change. Update rod and tubing details. 11/24/03 Pump Change. Update rod and tubing detail. Tubing leak. Update rod and tubing detail. 2/27/04

Pump Change. Update rod and tubing details.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 141 jnts (6004.89') DEPTH LANDED: 5990.89' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sxs PremLite II & 580 sxs 50/50 POZ

CEMENT TOP AT: 25' per CBL 1/5/01

#### TUBING (GI 12/17/04)

NO. OF JOINTS: 170 jts (5435.7') TUBING ANCHOR: 5435.7° NO. OF JOINTS: 4 jts (127.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5575.59' KB NO. OF JOINTS: 2 jts (62.2') NOTCHED COLLAR: 2-7/8" (0.5') TOTAL STRING LENGTH: EOT @ 5630'

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5#

#### PERFORATION RECORD

1/23/01 5390'-5395' 20 holes 1/23/01 5451'-5457' 5479'-5484' 24 holes 1/23/01 20 holes 1/23/01 5511'-5523' 48 holes 1/23/01 5551'-5570' 76 holes 1/24/01 5226'-5243' 68 holes 5112'-5136' 1/24/01 96 holes 1/25/01 4978'-4988' 40 holes 1/25/01



#### West Point 12-5-9-16

1909' FSL & 377' FWL NW/SW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31933; Lease #UTU-73087

#### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

## REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17<sup>th</sup> Street, Suite 2000 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the West Point #12-5-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the West Point #12-5-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4141' - 5980'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3801' and the TD is at 6000'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the West Point #12-5-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-73087) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

#### REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 303' KB, and 5-1/2", 15.5# casing run from surface to 5991' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2087 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the West Point #12-5-9-16, for existing perforations (4882' - 5570') calculates at 0.85 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2087 psig. We may add additional perforations between 3801' and 6000'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the West Point #12-5-9-16, the proposed injection zone (4141' - 5980') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-19.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

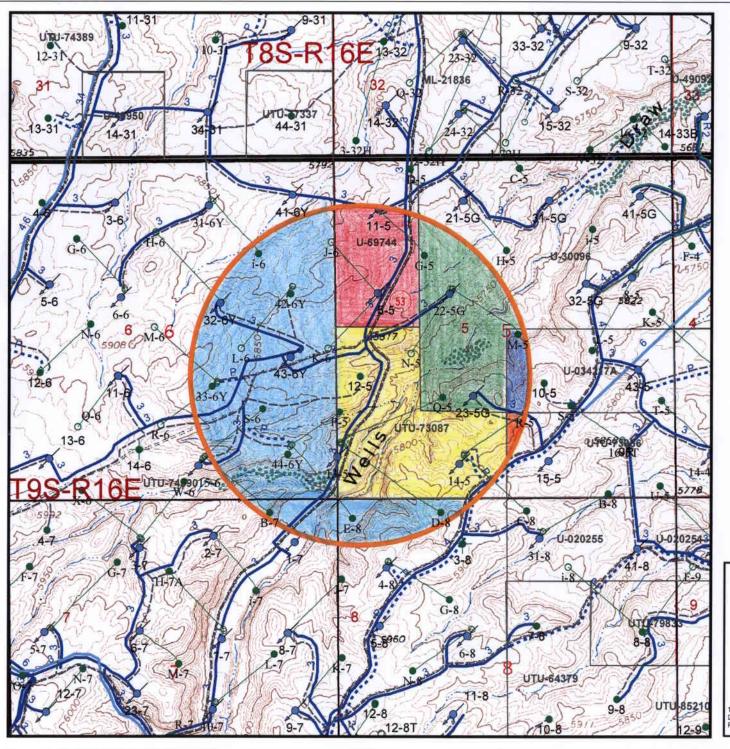
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

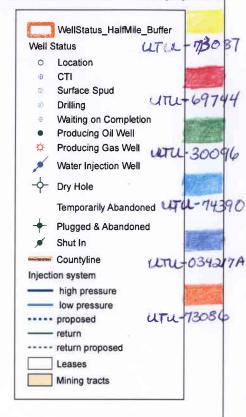
See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A





W Point 12-5 Section 5, T 9S-R16E



1/2 Mile Radius Map
Duchesne & Uintah Counties

1001 17th Street Suite 2000 Denver, Colorado 80202 Phone: (303) 893-0102

May 2, 2012

# T9S, R16E, S.L.B.&M.

S89'57'E (G.L.O.) Brass S89'59'14"E - 2644.67' N89°56'55"E - 2643.07 Brass **Brass** (Measured) Basis of Bearings Lot 4 Lot 3 Lot 2 Lot 1 ..<sup>U.)</sup> 2639.21' S0'04'E (G.L.O.) DRILLING WINDOW (G.L.O.) (C.L.O.) Detail80.16 No Scale Сар 80.02 DRILLING WELL LOCATION: 50°04'E 200 WEST POINT #12-5-9-16 See Detail ELEV. UNGRADED GROUND = 5815.3' Computed) 1909.4 Brass Сар  $N89^{\circ}54'W - 80.06 (G.L.O.)$ 

NOTE:

The well location bears S26\*52'07"E 836.7' from the West 1/4 Cor. of Sec. 5



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

## INLAND PRODUCTION COMPANY

WELL LOCATION, WEST POINT #12-5-9-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 5, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THE THE ABOVE PLAT WAS PREPARED FROM FIRED MOTION, ANTUAL SURVEYS MADE BY ME OR CONTROL AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIFFINE

REGISTERED DANG HORVEY OR REGISTRATION No. 14402
STATE OF DEALLS

### TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" -= 1000'	SURVEYED BY: D.S.	
DATE: 12-31-99	WEATHER: FAIR	
NOTES:	FILE #	

### **EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 5: W2SW, SESW	UTU- 73087	Newfield RMI LLC	
		НВР		
2	T9S-R16E SLM	USA	Newfield Production Company	USA
_	Section 5: SWNW, Lot 4	UTU-69744	Newfield RMI LLC	
		НВР	HC Buie	
			James Fischer	
			Four M COGreenberg Z Trust	
			Michael D Lewis	
			Thomas K Lowe	
		·	Ralph Massad Estate	
			Margaret Merritt	
			Ray B Powers Jr	
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 4: S2N2, Lots 1-4	UTU-30096	Newfield RMI LLC	
	Section 5: S2NE, SENW, NESW, Lots 1-3	НВР		
4	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 6: All	UTU-74390	Newfield RMI LLC	
	Section 7: All	HBP	ABO Petroleum Corp	
	Section 8: W2		MYCO Industries Inc	
	Section 17: NW		OXY Y-1 Corp	
	Section 18: NE, E2NW, LOTS 1, 2		Yates Petroleum Corp	
5	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 4: W2SW	UTU-73086	Newfield RMI LLC	
	Section 5: S2SE	HBP		

W Point 12-5 Page 1 of 2

6 T9S-R16E SLM Section 5: N2SE USA UTU-034217-A HBP Newfield Production Company Newfield RMI LLC USA

W Point 12-5 Page 2 of 2

### ATTACHMENT C

### CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE:	Application for Approval of Class II Injection Well West Point #12-5-9-16
I hereby one-half	certify that a copy of the injection application has been provided to all surface owners within a f mile radius of the proposed injection well.
Signed:	Newfield Production Company Eric Sundberg Regulatory Lead
Sworn t	to and subscribed before me this 7th day of June, 2012.
Notary :	Public in and for the State of Colorado: Andice L. Juitty
My Cor	My Commission Expires  mmission Expires: 02/10/2013

# West Point 12-5-9-16

Spud Date: 10/23/00 Put on Production: 1/30/01 GL: 5815' KB: 5825'

> 1909' FSL & 377' FWL NW/SW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31933; Lease #UTU-73087

#### Wellbore Diagram

Initial Production: 175 BOPD, 145 MCFD, 17 BWPD

#### SURFACE CASING FRAC JOB TOC @ 25' CSG SIZE: 8-5/8" 1/24/01 5390'-5570' Frac LDC sands as follows: 213,180# 20/40 sand in 1375 bbls Viking I-GRADE: J-55 25 fluid. Treated w/ avg. press of 2700 psi WEIGHT: 24# @ 36.5 BPM. ISIP 2750 psi. Calc. flush: 5390 gal. Actual flush: 5355 gal. LENGTH: 7 jnts (296.72') 1/25/01 5112'-5243' Frac A/B sands as follows: DEPTH LANDED: 303.02' Casing shoe @ 303' 227,120# 20/40 sand in l452 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ HOLE SIZE: 12-1/4" 31.2 BPM. ISIP 2120 psi. Calc. flush: CEMENT DATA: 155 sxs Class "G" cmt, circ. 6 bbls to surf. 5112 gal. Actual flush: 5040 gal. 1/26/01 4882'-4988' Frac D/C sands as follows: 83,000# 20/40 sand in 577 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 30 BPM. ISIP 2135 psi. Calc. flush: 4882 gal. Actual flush: 4788 gal 9/24/01 Pump change. Update rod and tubing details. PRODUCTION CASING 11/24/03 Pump Change. Update rod and tubing detail. CSG SIZE: 5-1/2" 2/27/04 Tubing leak. Update rod and tubing detail. GRADE: J-55 Pump Change. Update rod and tubing details. 12/22/04 WEIGHT: 15.5# LENGTH: 141 jnts (6004.89') DEPTH LANDED: 5990.893 HOLE SIZE: 7-7/8" CEMENT DATA: 275 sxs PremLite II & 580 sxs 50/50 POZ CEMENT TOP AT: 25' per CBL 1/5/01 TUBING (GI 12/17/04) SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 170 its (5435.7') TUBING ANCHOR: 5435.73 NO. OF JOINTS: 4 jts (127.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5575,59' KB NO. OF JOINTS: 2 jts (62.2') NOTCHED COLLAR: 2-7/8" (0.5') TOTAL STRING LENGTH: EOT @ 5630' SUCKER RODS (GI 10/27/10) 4882'-4890' POLISHED ROD: 1-1/2" x 22' SM 4978'-4988' SUCKER RODS: 1-8', 1-4',1-2' x ¾" pony rods, 2 x ¾" guided rods, 86 x ¾" guided rods, 88 x ¾" sucker rods, 42 x ¾" guided rod, 4 x 1-1/2" sinker bar 5112'-5136' 5226'-5243' PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15' RHAC pump PERFORATION RECORD 5390'-5395' STROKE LENGTH: 73" 1/23/01 5390'-5395' 20 holes Anchor @ 5436' 1/23/01 5451'-5457' 5479'-5484' 24 holes PUMP SPEED, SPM: 4.5 1/23/01 20 holes 5451'-5457' 1/23/01 5511'-5523' PUMPING UNIT: LUFKIN C-228D-213-100 48 holes 5479'-5484' 1/23/01 5551'-5570' 76 holes 5511'-5523' 1/24/01 5226'-5243' 68 holes 5112'-5136' 1/24/01 96 holes 5551'-5570' SN @ 55767 1/25/01 4978'-4988' 40 holes 1/25/01 4882'-4890' 32 holes EOT @ 5630' NEWFIELD PBTD @ 5980' SHOE @ 5991' West Point 12-5-9-16 TD @ 6000°

8/14/02

8/14/02

8/14/02

8/14/02

4959'-4963'

4888'-4891'

4843'-4846'

4391'-4396'

8/14/02 4820'-4823'

4 JSPF

4 JSPF

4 JSPF

4 JSPF

4 JSPF

16 holes

12 holes

12 holes

12 holes

### West Point 14-5-9-16

Spud Date: 6/25/02 Initial Production: 73 BOPD, Put on Production: 8/17/02 121 MCFD, 30 BWPD Injection Wellbore GL: 5840' KB: 5850' Diagram FRAC JOB SURFACE CASING 8/14/02 5396'-5733' Frac LODC & CPI sand as follows: CSG SIZE: 8-5/8" 147,942# 20/40 sand in 1008 bbls Viking 1-25 GRADE: J-55 fluid. Treated @ avg press of 2000 psi w/avg rate of 28.3 BPM, ISIP 2900 psi. Calc flush: Casing Shoe @ 311' WEIGHT: 24# 5396 gal. Actual flush: 5313 gal. LENGTH: 7 jts. (303.36') Frac B2, A 0.5 sand as follows: 8/14/02 5116'-5257 DEPTH LANDED: 311.36' KB 99,751# 20/40 sand in 707 bbls Viking I-25 Cement Top @ 774' HOLE SIZE:12-1/4" fluid. Treated@ avg press of 1950 psi w/avg rate of 28.3 BPM. ISIP 2000 psi. Calc flush: CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf. 5116 gal. Actual flush: 5040 gal. Frac D & C sand as follows: 8/14/02 4820'-5017 79,058# 20/40 sand in 582 bbls Viking I-25 fluid. Treated @ avg press of 1900 psi w/avg rate of 28 BPM. ISIP 2100 psi. Calc flush: 4820 gal. Actual flush: 4704 gal. PRODUCTION CASING Frac GB6 sand as follows: 8/14/02 4391'-4396 25,395# 20/40 sand in 257 bbls Viking I-25 CSG SIZE: 5-1/2" fluid. Treated @ avg press of 2650 psi w/avg GRADE: J-55 rate of 24 BPM. ISIP 2280 psi. Calc flush: WEIGHT: 15.5# 4391 gal. Actual flush: 4284 gal LENGTH: 133 jts. (5933.26') 8/10/07 Stuck pump. Updated rod & tubing detail. DEPTH LANDED: 5928.86' KB 7/17/08 Pump change. Updated rod and tubing detail 01/10/12 Convert to Injection Well HOLE SIZE: 7-7/8" 01/12/12 Conversion MIT Finalized - update tbg CEMENT DATA: 300 sxs Prem. Lite II mixed & 550 sxs 50/50 POZ. CEMENT TOP AT: 774' per CBL TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 /6.5# NO. OF JOINTS: 135 jts (4341.7') SEATING NIPPLE: 2-7/8" (1.10') Packer @ 4356' SN LANDED AT: 4351.7' EOT @ 4360' 4391'-4396' CE@ 43563 TOTAL STRING LENGTH: EOT @ 4360' 4820'-4823' 4843'-4846' PERFORATION RECORD 4959'-4963' 8/13/02 5727'-5733' 4 JSPF 5002'-5017' 5493'-5496' 12 holes 8/13/02 4 ISPF 5116'-5123' 5485'-5487' 08 holes 8/13/02 4 JSPF 5470'-5482' 48 holes 5137'-5140' 8/13/02 4 JSPF 8/13/02 5396'-5408' 4 JSPF 48 holes 5236'-5249' 5252'-5257' 20 holes 8/14/02 4 JSPF 5252'-5257' 8/14/02 5236'-5249' 4 ISPF 52 holes 5396'-5408' 8/14/02 5137'-5140' 4 JSPF 8/14/02 5116'-5123' 4 JSPF 28 holes 5470'-5482' 5002'-5017' 60 holes 8/14/02

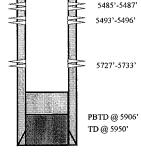


West Point 14-5-9-16

660' FSL & 1980' FWL

SESW Section 5-T9S-R16E Duchesne Co, Utah

API #43-013-32328; Lease #UTU-73087



LCN 01/18/12

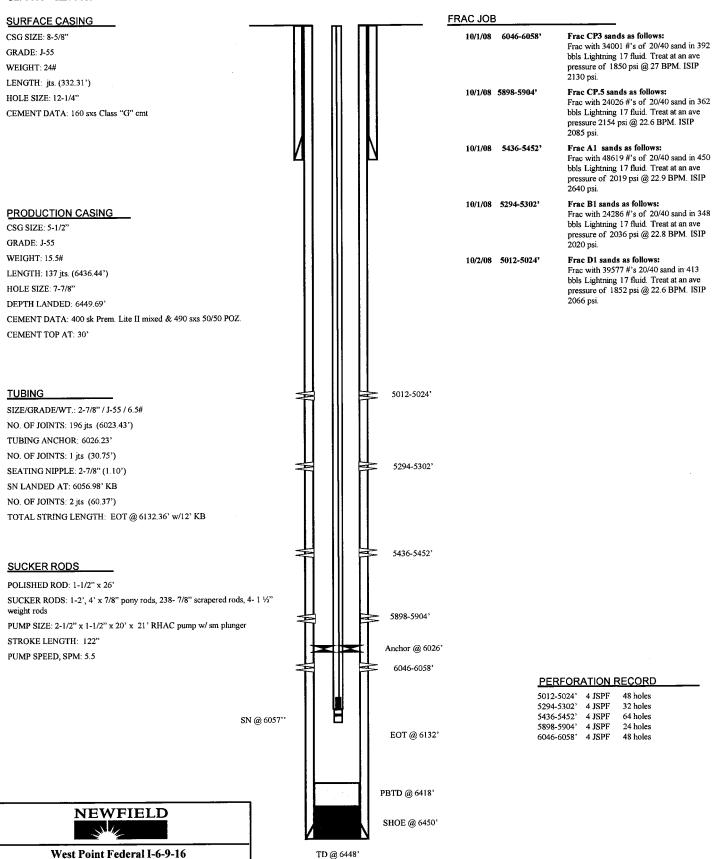
Attachment E-2

# West Point Federal I-6-9-16

Spud Date: 8/18/08 Put on Production: 10/14/08 GL: 5801' KB: 5813'

> 646' FNL & 1893' FEL NWNE Section 6-T9S-R16E Duchesne Co, Utah API #43-013-33897; UTU-74390

Wellbore Diagram



# West Point Federal #13-5-9-16

Spud Date: 11/06/00 Put on Production: 1/22/01

GL: 5775' KB: 5785'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# DEPTH LANDED: 315' HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G".

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# DEPTH LANDED: 5935' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Premlite II with additives; followed by 560 sx 50/50 Pozmix

#### **TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# / 8rd NO. OF JOINTS: 129 jts (4159.45) SEATING NIPPLE: 1.10' SN LANDED AT: 4169.45' KB

TOTAL STRING LENGTH: EOT @ 4178.053

Injection Wellbore Diagram

Initial Production: 312 BOPD, 291 MCFD, 39 BWPD

#### FRAC JOB

Frac CP.5 & CP2 sands with 101,120# 1/12/01 5675'-5753' 20/40 sand in 699 bbls Viking 1-25 fluid. Perfs broke back @ 3434 psi @ 4 BPM. Avg. pressure 2050 psi w/avg. rate of 29.9 BPM. ISIP 2330 psi. Left pressure

5451'-5498' 1/12/01

Frac LODC1 sds w/194,620# of 20/40 sand in 1245 bbls Viking I-25 fluid. Perfs broke @ 4011 psi. Treated @ avg press of 2680 psi, w/avg rate of 37.8 BPM. ISIP 2440 psi. Left press on well.

1/15/01 5244'-5375'

Frac A3 & LODC2 sands with 24,000 gals of Viking 1-25 pad & 49,316 gals of Viking 1-25 fluid with 321,700# of 20/40 sand. Pressure 2640 psi max; 2400 psi avg at 36 BPM. ISIP 2650 psi.

1/15/01 4990'-5141'

Frac B1 & A5 sand with 16,170 gals of Viking I-25 fluid with 97,700# 20/40 sand. 2250 psi max pressure, with avg rate of 28 BPM. Note: had to SD 173 bbls into 6.5 ppg stage (277 bbls) for repairs. Down est. 8 min - resume treatment. Flowed back frac; start flow back @ 5 pm; end @ 7:45 pm, at rate of 1

BPM, 564 BLTR.

1/16/01 4230'-4273'

Frac GB4 sds w/74,000# 20/40 sand in 507 bbls Viking I-25 fluid. Perfs broke @ 4393 psi. Treated @ avg press of 2200 psi, w/avg rate of 26.7 BPM. ISIP 2600 psi. Start immed. flowback on 12/64" choke @ 1 BPM. Flowed 4 hrs & died.

Rec. 220 BTF

1/6/06 1/26/06

Well converted to an Injection well. MIT completed and submitted.

SN: 4169'

Packer: 4174' EOT: 4178'

4230'-36 4265'-73'

4990'-97' 5034'-41' 5122'-26' 5135'-41' 5244'-57' 5262'-68'

5290'-312' 5317'-20' 5328'-34' 5339'-41' 5347'-75' 5451'-59'

> 5675'-81' 5734'-53'

5463'-98'

PBTD @ 5883

TD @ 5937'

PERFORATION RECORD

1/16/01 4230'-4236' 24 holes 4253'-4257' 16 holes 1/16/01 1/16/01 4265'-4273 32 holes 4990'-4997 28 holes 1/15/01 1/15/01 5034'-5041' 28 holes 1/15/01 5122'-5126' 16 holes 1/15/01 5135'-5141' 24 holes 5244'-5257 1/12/01 52 holes 5262'-5268' 1/12/01 24 holes 1/12/01 5290'-5312' 88 holes 1/12/01 5317'-5320' 12 holes 1/12/01 5328'-5334 24 holes 1/12/01 5339'-5341 8 holes 1/12/01 5347'-5375' 112 holes 1/12/01 5451'-5459 32 holes 5463'-5498' 140 holes 1/12/01 5675'-5681' 24 holes 1/11/01 5734'-5753' 76 holes 1/11/01



### **Newfield Produciton**

#### West Point Federal #13-5-9-16

887' FSL, 59.5' FWL SW/SW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31766; Lease #UTU-73087

# WELLS DRAW FED. M-5-9-16

Initial Production: Spud Date: 06/11/2006 MCFD, BWPD Put on Production: 10/03/07 Wellbore Diagram GL: 5786' KB: 5798' FRAC JOB SURFACE CASING Frac LODC sands as follows: 09/26/07 5590-5599 CSG SIZE: 8-5/8" Cement Top @ Surface 34374# 20/40 sand in 442 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2165 psi w/avg rate of 24.7 BPM. ISIP 2250 psi. Calc WEIGHT: 24# flush: 5588 gal. Actual flush: 5082 gal. LENGTH: 7 jts. (312.89') 09/26/07 5437-5449\* Frac A1 sands as follows: DEPTH LANDED: 322.89' KB 29486# 20/40 sand in 396 bbl Lightning 17 frac fluid. Treated @ avg press of 1979 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 5435 gal. Actual flush: 4931 gal. HOLE SIZE: 12-1/4" CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf. Frac B2 sands as follows: 09/26/07 5287-5300 85338# 20/40 sand in 665 bbls Lightning 17 frac fluid. Treated @ avg press of 1878 psi w/avg rate of 24.8 BPM. ISIP 2080 psi. Calc flush: 5285 gal. Actual flush: 4780 gal. Frac C sands as follows: 09/26/07 5154-51613 PRODUCTION CASING 14758# 20/40 sand in 281 bbls Lightning 17 frac fluid. Treated @ avg press of 2474 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc CSG SIZE: 5-1/2" flush: 5152 gal. Actual flush: 4649 gal. GRADE: J-55 WEIGHT: 15.5# Frac D2 sands as follows: 09/26/07 5059-5067 44707# 20/40 sand in 439 bbls Lightning 17 LENGTH: 147 jts. (6439.02') frac fluid. Treated @ avg press of 1973 psi DEPTH LANDED: 6452.27' KB w/avg rate of 24.7 BPM. ISIP 2045 psi. Calc flush: 5057 gal. Actual flush: 4553 gal. HOLE SIZE: 7-7/8" Frac D1 sands as follows: 09/26/07 4984-50063 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. 120191# 20/40 sand in 868 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 ps w/avg rate of 24.8 BPM. ISIP 2300 psi. Calc 4433-4442 flush: 4982 gal. Actual flush: 4477 gal Frac PB8 sands as follows: 09/27/07 4705-4713' <u>TUBING</u> 24177# 20/40 sand in 379 bbls Lightning 17 frac fluid. Treated @ avg press of 2192 psi 4521-45333 SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc NO. OF JOINTS: 178 its (5556.73') flush: 4703 gal. Actual flush: 4200 gal TUBING ANCHOR: 5568.73' KB 4705-4713' 09/27/07 4521-4533' Frac GR6 sands as follows: 109705# 20/40 sand in 801 bbls Lightning 17 NO. OF JOINTS: 1 jts (31.42') frac fluid. Treated @ avg press of 1866 ps SEATING NIPPLE: 2-7/8" (1.10') w/avg rate of 24.7 BPM. ISIP 2030 psi. Calc 4984-4992' flush: 4519 gal. Actual flush: 4015 gal SN LANDED AT: 5602-95' KB 4997-5006' 09/27/07 4433-4442' Frac GB2 sands as follows: NO. OF JOINTS: 2 its (62.75') 34269# 20/40 sand in 351 bbls Lightning 17 TOTAL STRING LENGTH: EOT @ 5667.25' KB frac fluid. Treated @ avg press of 1943 psi w/avg rate of 24.8 BPM. ISIP 1975 psi. Calc 5059-5067 flush: 4431 gal. Actual flush: 4347 gal 5154-5161, 10/17/08 Pump change. Updated rod & tubing details. PERFORATION RECORD SUCKER RODS 5590-5599' 4 JSPF 36 holes 5287-5300' 5437-5449 4 JSPF 48 holes POLISHED ROD: 1-1/2" x 26' SM polished rods 5287-5300' 4 JSPF 52 holes SUCKER RODS:1-2',1-4' & 1-8' x 7/8" pony rods, 219-7/8" scrapered rods, 5154-5161' 4 JSPF 28 holes 5437-5449 8-guides per rod. 4-1 1/2" weight rods. 4 JSPF 32 holes 5059-5067 4997-5006' 36 holes PUMP SIZE: CDI 2-1/2" x 1-3/4" x 20'x 21' 'RHAC 4 JSPF Anchor @ 5569 4 JSPF 32 holes 4984-4992' STROKE LENGTH: 144" 4705-4713 4 JSPF 32 holes PUMP SPEED, 6 SPM 5590-5599 4521-4533' 4 JSPF 48 holes 4433-4442' 4 JSPF 36 holes SN 5603' EOT @ 5667' PBTD @ 6429' NEWFIELD Shirt SHOE @ 6452' WELLS DRAW FED. M-5-9-16 TD @ 6489' 2033'FNL & 1816' FWI SE/NW Section 5-T9S-R16E Duchesne Co. Utah

API #43-013-33249; Lease # UTU-30096

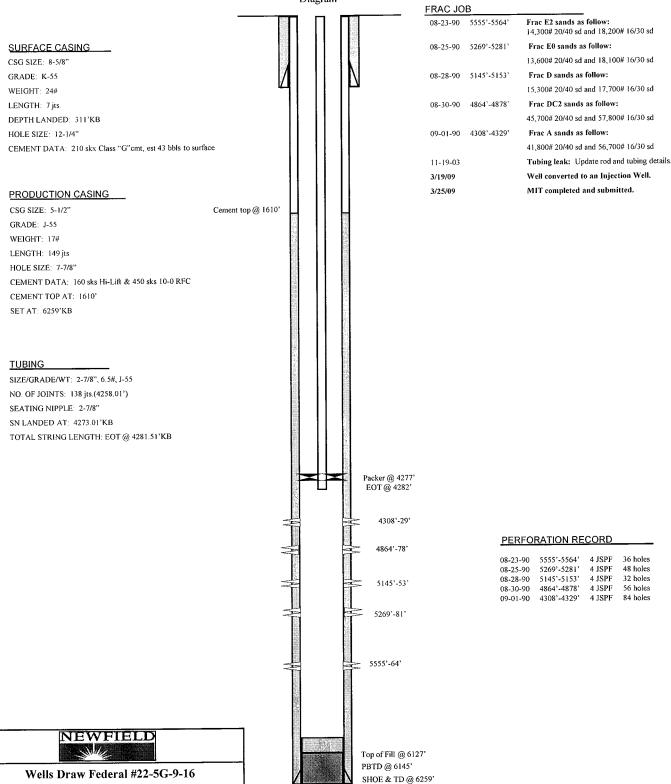
# Wells Draw Federal #22-5G-9-16

Spud Date: 05/25/1990 Put on Production: 10/5/90 GL: 5786' KB: 5801' 15' KB

1837' FWL 2032' FNL
SE/NW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-31273; Lease #UTU-30096

Injection Wellbore Diagram Initial Production: 228 BOPD, 0 MCFD

57 BWPD



# WELLS DRAW FEDERAL G-5-9-16

Spud Date: 12-17-07 Put on Production: 3-11-08 GL: 5726' KB: 5738'

Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (282.75') DEPTH LANDED: 292.75' HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, circ. 5 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 148 jts. (6412.52') DEPTH LANDED: 6419.52' HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP AT: 50' per CBL 2/22/08

#### TUBING (GI 8-2-10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 188 jts (5914.69')
TUBING ANCHOR: 5926.7'
NO. OF JOINTS: 1 jts (31.48')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5961'
NO. OF JOINTS: 2 jts (63.05')
NOTCHED COLLAR: 2-7/8" (0.5')
TOTAL STRING LENGTH: EOT @ 6026'

#### SUCKER RODS (GI 8-2-10)

POLISHED ROD: 1-1/2" x 26' SM

SUCKER RODS: 234 x 7/8" guided rods(8per), 4 x  $1-\frac{1}{2}$ " weight bars.

PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC

STROKE LENGTH: 122" PUMP SPEED, SPM: 4.2

PUMPING UNIT: DARCO C-456-305-144

# NEWFIELD

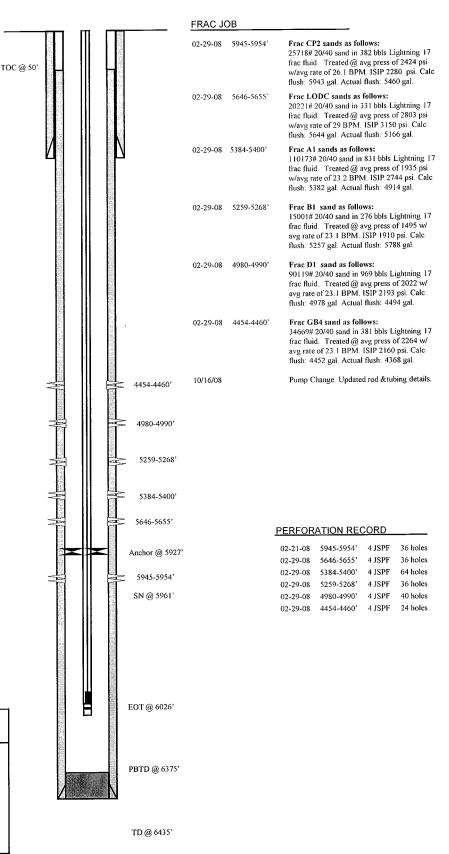
#### Wells Draw Federal G-5-9-16

1322'FNL & 1323' FWL

NW/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33519; Lease # UTU-69744



# Wells Draw Federal 11-5-9-16

Spud Date: 12/31/85 Put on Production: 2/11/86 GL: 5815' KB: 5829' SURFACE CASING

Injection Wellbore

Initial Production: 101 BOPD, 100 MCFD, 0 BWPD

FRAC JOB

### Diagram

CSG SIZE: 8-5/8" GRADE: ? WEIGHT: 40# DEPTH LANDED: 285° HOLE SIZE: 12-1/4"

CEMENT DATA: 197 sxs Class "G" with additives.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: ? WEIGHT: 17# DEPTH LANDED: 59783

HOLE SIZE: 7-7/8"

CEMENT DATA: 185 sxs lodense & 250 sxs 10% gypseal.

TOP OF CEMENT: 3220' per CBL

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 134 jts. (4304.4') SN LANDED AT: 4317.4' KB CE @ 4321.821

TOTAL STRING LENGTH: EOT @ 4326' w/ 13' KB

### 1/28/86 5440'-5614' 6/01/87 5284'-5304' 6/02/87 4888'-4918' 10/2/01 2/26/02 3/7/03 5799'-5880' 3/7/03 5126'-5182' 3/8/03 4372'-4676' PACKER @ 4322' EOT @ 4326 ' 4372'-4378' 9/13/03 4670'-4676' 03/26/08 4888-4918 04/28/08 4888'-4896' 04/28/08 5284-5304 4908'-4918' 5126'-5130' 5862-5880 04/28/08 5166'-5182' 5284'-5304' 4/1/09 9/16/09 5440'-5449' 6/9/10 6/21/10 5452'-5479' 5485'-5488' 5499'-5502' 5506'-5520' 5524'-5530' 5539'-5568' 5588'-5599' 5603'-5614' 5799'-5802' 5831'-5834' 5862'-5880' PBTD 5910' TD @ 5979'

Frac w/238,000# 20/40 sd & 60,000# 16/30

sd in 94,000 gal frac. Flush w/4650 gals KCL wtr. Avg press 2250 @ 56 bpm. ISIP 2200. Flow well on 16/64" ck for 5 hrs. Rec 97 BW

frac. Avg rate 30 bpm, avg press 1900. ISIP 2800, 5 min 2200, 10 min 1870, 15 min 1670. Frac w/97,000# 20/40 sd in 24,500 gal frac. Avg rate 31 bpm, avg press 2000. ISIP 2000, 5 min 1770, 10 min 1680, 15

Frac w/97.000# 20/40 sd in 24,500 gal

w/tr of sd.

min 1640. Open well on 10/64" ck. Flowed 120 BW. Pressure dropped to

Pump change. Update rod and tubing details Pump change. Update rod and tubing details. Frac CP sands as follows:

59,994# of 20/40 sand in 456 bbls YF 125 fluid. Treated @ ave pressure 3715 psi W/ave rate of 17 BPM. ISIP-2030 psi. Calc. flush: 1506 gals. Actual flush: 1385

Frac B sands as follows:

50,757# of 20/40 sand in 383 bbls YF 125 fluid. Treated @ ave pressure 3351 psi W/ave rate of 16.9 BPM. ISIP-1935 psi. Actual flush: 1218 gals

Frac GB4/PB11 sands as follows: 56.716# of 20/40 sand in 466 bbls YF 125 fluid. Treated @ ave pressure 2248 psi W/ave rate of 18.5 BPM. ISIP-2980 psi Calc. flush: 4372 gals. Actual flush: 4193 gals.

Tubing Leak. Update rod and tubing details. Major Workover: Update rod and tubing. Acidize D1 sands:

Pump 750 gals techni-hib 767, W/ 1000 gals HCL, ISIP @ 1730 psi. Returned 15 bbls BW Acidize A sands:

Pump 1100 gals techni-hib 767, W/ 1000 gals HCL, ISIP @ 1090 psi.

Acidize CP2 sands: Pump 900 gals techni-hib 767, W/ 349 gals HCL, ISIP @ 1796 psi.

Tubing Leak, Updated r & t details. Parted rods. Updated rod & tubing details.

Convert to Injection well

MIT Completed - tbg detail updated

5603'-5614' 3 JSPF

### PERFORATION RECORD

1/27/86	5588'-5599'	3 JSPF	33 hole
1/27/86	5539'-5568'	3 JSPF	87 hole:
1/27/86	5524'-5530'	3 JSPF	18 hole
1/27/86	5506'-5520'	3 JSPF	36 hole
1/27/86	5499'-5502'	3 JSPF	9 holes
1/27/86	5485'-5488'	3 JSPF	9 holes
1/27/86	5452'-5479'	3 JSPF	81 hole
1/27/86	5440'-5449'	3 JSPF	27 hole
6/01/87	5284'-5304'	3 JSPF	60 hole
6/01/87	4908'-4918'	3 JSPF	30 hole
6/01/87	4888'-4896'	3 JSPF	24 hole
3/6/03	5862'-5880'	4 JSPF	72 hole
3/6/03	5831'-5834'	4 JSPF	12 hole
3/6/03	5799'-5802'	4 JSPF	12holes
3/6/03	5166'-5182'	4 JSPF	64 hole
3/6/03	5126'-5130'	4 JSPF	16 hole
3/6/03	4670'-4676'	4 JSPF	24 hole
3/6/03	4372'-4378'	4 JSPF	24 hole



#### Wells Draw Federal 11-5-9-16

781' FNL & 687' FWL

NW/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease # UTU-69744

33 holes

# Monument Federal #42-6Y-9-16

Soud Date: 7/8/96

1980 FNL & 660 FEL SE/NE Section 6-T9S-R16E Duchesne Co, Utah API #43-013-31645; Lease #UTU-74390

Initial Production: 55 BOPD, 0 Put on Production: 8/22/96 MCFPD, 0 BWPD Wellbore Diagram GL: 5835' KB: 5845' (10' KB) FRAC JOB SURFACE CASING 7-30-96 5382'-5594' Frac sand as follows: CSG SIZE: 8-5/8" 95,700# of 20/40 sd and 215,440# 16/30 GRADE: J-55 sd w/87,612 gals 2% KCL water. Treated WEIGHT:24# @ avg rate 60.5 bpm, avg press 2800 psi. Breakdown @ 3137 psi. ISIP-2600 psi, LENGTH: 5 jts (242.22') 5-min 1900 psi DEPTH LANDED: 252.22' KB 8-07-96 4871'-4890' Frac sand as follows: Cement top @ 4603 HOLE SIZE: 12-1/4' 53,014# of 16/30 sd w/20,016 gals 2% CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf. KCL water. Treated @ avg rate of 31.8 BPM, avg press 2450 psi. ISIP-2200 psi, 5-min 1950 psi 8-07-96 4310'-4426' Frac sand as follows: 48.800# 16/30 sand w/25,704 gals 2% KCL water. Treated w/avg press of 2900 psi w/avg rate of 30.8 BPM. ISIP-1900 psi, 5 min 1760 psi. PRODUCTION CASING Tubing job. Update rod and tubing details. CSG SIZE: 5-1/2" 9/19/01 Frac CP2 sand as follows: GRADE: J-55 5824'-5845' 03-17-03 65,300# 20/40 sand in YF 125 fluid. Treated WEIGHT: 15.5# w/avg press of 3875 psi w/avg rate of 16.5 BPM. 1SIP-2275 psi. Actual Flush:1439 gals. LENGTH: 142 jts. (5967.34') Calc. Flush: 1515 gals DEPTH LANDED: 5977.34' KB 03-17-03 5240'-5246' Frac A .5 sands as follows: HOLE SIZE: 7-7/8" 19,560# 20/40 sand in YF 125 fluid. CEMENT DATA: 395 sks Super "G" & 435 sks 50/50 Poz Treated w/avg press of 4916 psi w/ avg rate of 15.2 BPM. Zone screened off 14 bbls. into CEMENT TOP AT: 460' flush. ISIP 4916 Frac B .5 sands as follows: 03-18-03 5082'-5096' 44,833# 20/40 sand in 275 Bbls YF 125 fluid. Treated w/avg press of 3919 psi w/ avg rate of 17.3 BPM. ISIP-2440 psi. ActualFlush: 1217 4310'-4320' **TUBING** 4413'-4416 gals. Calc. Flush:1314 gals. SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 4421'-4426' Frac PB10 sands as follows: 03-18-03 4612'-4615' 18,989# 20/40 sand in 139 bbls YF 125 fluid. NO. OF JOINTS: 181 jts. (5734.2') Treated w/avg press of 3664 psi w/avg rate of 14 BPM. ISIP-2396 psi. Actual Flush:1059 4612'-4615' TUBING ANCHOR: 5734.2' gals. Calc. Flush:1210 gals. NO. OF JOINTS: 1 jt. (33.1') Tubing leak. Update rod and tubing details. 2/2/04 4871'-4876' SEATING NIPPLE: 2-7/8" (1.10') Pump Change. Update rod and tubing details. 03/19/07 4882'-4890' SN LANDED AT: 5770.0' KB Parted rods. Updated rod and tubing detail. 3/17/10 NO. OF JOINTS: 1 jt. (31.5') PERFORATION RECORD 5082'-5096' TOTAL STRING LENGTH: EOT @ 5807' 7-29-96 5588'-5594' 1 ISPF 6 holes 7-29-96 5555'-5565' 1 JSPF 10 holes 5240'-5246' 10 holes 7-29-96 5520'-5530' 1 JSPF 5485'-5495' 10 holes 7-29-96 1 JSPF SUCKER RODS 7-29-96 5450'-5460' 1 JSPF 10 holes POLISHED ROD: 1-1/4" x 22' SM 7-29-96 5403'-5408' 1 JSPF 5 holes 5382'-5396' 5382'-5396' 1 JSPF 14 holes SUCKER RODS: 1-2' x 4" pony rod, 1-4' x 4" pony rod, 99- 4" guided rods, 46- 4" guided rods, 80- 4" guided rods, 1-1 5/8" weight bar, 5-1 12" weight 7-29-96 5403'-5408' 20 holes 8-06-96 4871'-4876' 8-06-96 4882'-4890' 4421'-4426' 4 JSPF 32 holes 5450'-5460' 3 holes 8-07-96 PUMP SIZE: 2 1/2" x 1 1/2" x 14' RHAC 5485'- 5495' 4413'-4416' 3 holes 8-07-96 5520'-5530' 8-07-96 4310'-4320' 8 holes STROKE LENGTH: 74" 03-14-03 5824'-5845' 4 JSPF 84 holes 5555'- 5565' PUMP SPEED, SPM: 4 03-14-03 5240'-5246' 4 JSPF 24 holes 5588'- 5594' 5082'-5096' 4 JSPF 46 holes 03-14-03 4 JSPF 12 holes 03-14-03 4612'-4615' Anchor @ 5734' SN @ 5770' KB EOT @ 5807' 5824'-5845' NEWFIELD PBTD @ 5932' SHOE @5977' Monument Federal #42-6-9-16Y TD @ 6000'

## Monument Federal 43-6-9-16

Spud Date: 6/27/96 Put on Production: 8/06/96 Put on Injection: 11/15/99

GL: 5837° KB: ?

Initial Production: 56 BOPD, 0 MCFPD, 90 BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT:24#

LENGTH: 5 jts (242.22') DEPTH LANDED: 264 HOLE SIZE: 12-1/4

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 137 jts. DEPTH LANDED: 5908' HOLE SIZE: 7-7/8"

CEMENT DATA: 380 sks Super "G" & 390 sks 50/50 Poz

CEMENT TOP AT: 275' per CBL

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 134 its @ 4188.283 SEATING NIPPLE: 2-7/8" (1.10') SNILANDED AT: 4198 28 PACKER: 4199.38

TOTAL STRING LENGTH: EOT @ 4206.38

# Injection Wellbore Diagram FRAC JOB 7-15-96 5558'-5586' 11/09/06 5740'-5820' 11/10/06 5226'-5236' Packer @ 4199' EOT @ 4206 4291-4298' 4321-4325 4332-4339 4394-4400 4586-4597' 5226'-5236' 5313-5318' 5342-5360' 5362-53693 5440-5448 5503-5508 5558-5586' 5740-5746 5800'- 5820' SN @ 4198' EOT @ 4206' PBTD @ 5862 TD @ 5950'

Frac sand as follows:

40,370# of 20/40 sd and 87,030# 16/30 sd w/35,028 gals 2% KCL water. Treated @ avg rate 38 BPM, avg press 3250 psi. ISIP-3550 psi, 5-min 2300 psi.

7-18-96 5440'-5508' Frac sand as follows:

> 16,790# of 20/40 sd and 41,110# 16/30 sd w/21,000 gals 2% KCL water. Treated @ avg rate of 30.5 BPM, avg press 3250 psi. ISIP-2430 psi, 5-min 1820 psi.

4586'-4597' Frac sand as follows: 7-23-96

> 49,500# 16/30 sand w/15,708 gals 2% KCL water. Treated w/avg press of 2500 psi w/avg rate of 20.2 BPM. ISIP-2950

psi, 5 min 2270 psi.

7-23-96 4291'-4400' Frac sand as follows:

> 109,700# 16/30 sand w/36,666 gals 2% KCL water. Treated w/avg press of 2350 psi w/avg rate of 29.9 BPM. ISIP-2000

psi, 5 min 1690 psi.

11/15/99 Convert to Injection well Re-Completion (new perfs) 11/13/06

> 39,090# 20/40 sand in 355 bbls Lightning 17 frac fluid. Treated w/ ave press of 4035@ ave rate of 14.5 BPM. ISIP was

Frac CP.5 & CP2 sands as follows:

2030 psi. Calc flush 2559, actual flush

Frac A & LODC sands as follows:

82,720# 20/40 sand in 648 bbls Lightning 17 frac fluid. Treated @ avg press of 3980 w/ avg rate of 14.6 BPM. ISIP 2290 psi. Actual flush 1260, Calc flush 2046

10/28/04 5 yr MIT

PERFORATION RECORD

5558'-5586' 4 JSPF 112 holes 7-12-96 7-17-96 5503"-5508" 9 holes 5440'-5448' 9 holes 7-17-96 28 holes 7-18-96 5362'-5369' 4 JSPF 7-18-96 5342'-5360' 4 JSPF 72 holes 7-18-96 5313'-5318' 4 JSPF 20 holes 7-22-96 4586'-4597' 44 holes 7-23-96 4394'-4400' 4 holes 7-23-96 4332'-4339' 5 holes 7-23-96 4321'-4325' 4 holes 7-23-96 4291'-4298' 5 holes 80 holes 11/08/06 5800'-5850 4 JSPF 24 holes 11/08/06 5740'-5746' 4 JSPF 40 holes 11/08/06 5226'-5236' 4 ISPF



Monument Federal 43-6Y-9-16

2214' FSL 707' FEL NE/SE Section 6-T9S-R16E Duchesne Co, Utah API #43-013-31644; Lease #UTU-74390

# Monument Federal #33-6-9-16Y

Spud Date: 6/4/96 Initial Production: BOPD, Put on Production: 7/10/96 MCFPD, BWPD Wellbore Diagram GL: 5867' KB: 5877 FRAC JOB SURFACE CASING 6-26-96 4845'-4859' 12,6600 gal 2% KCL wtr, CSG SIZE: 8-5/8" 37280 lbs 16/30 ss. ATP 2100 psi, ATR GRADE: J-55 Top of cement 226 19.4 bpm, screen out w/29,229 ilbs ss on formation flow back 110 bbls wtr. WEIGHT:24# Casing Shoe @ 262' LENGTH: 6 jts (252') Rod job. Update rod and tubing details. 2/27/02 DEPTH LANDED: 262' Frac CP.5 sands as follows: 11/18/04 5734-5742 HOLE SIZE:12-1/4" 24,608#'s 20/40 sand in 239 bbls Lightning Frac 17 fluid. Treated @ ave press of 3381 w/avg rate of 14.4 BPM. ISIP 1880 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, 2% CaCl2, 1/4#/sx cello flake flush: 5732 gal. Actual flush: 1374 gal. 11/19/04 Frac A1 sands as follows: 5256-5268 4,500#'s (designed for 20,000#) 20/40 sand in 80 bbls Lightning Frac 17 fluid. Treated @ ave press of 3600 w/avg rate of 14.4 BPM. ISIP 7850 psi. Screen out. PRODUCTION CASING CSG SIZE: 5-1/2" Frac D1 sands as follows: 11/19/04 4845-4859 50,151#'s 20/40 sand in 405 bbls Lightning GRADE: J-55 Frac 17 fluid. Treated @ ave press of 5630 WEIGHT: 15.5# w/avg rate of 13.8 BPM. ISIP 5560 psi. LENGTH: 147 jts. (6070') DEPTH LANDED: 6080' Frac GB6 sands as follows: 4406-4412 11/22/04 19,962#'s 20/40 sand in 240 bbls Lightning HOLE SIZE: 7-7/8" Frac 17 fluid. Treated @ ave press of 2396 w/avg rate of 24.4 BPM. ISIP 1840 psi. Calc flush: 4404 gal. Actual flush: 3481 gal. CEMENT DATA: 390 sks Super "G", 3% salt, 2% gel, 2#/sx kol-seal, 1/4#/sx cello flake. Tail w/290 sxs 50/50 poz, 2% gel, 1/4#/sx kol-seal Stuck pump. Updated rod & tubing details. 9-17-08 CEMENT TOP: 226 Parted rods: Updated rod & tubing detail. 1/31/12 **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 185 jts. (5752.41') TUBING ANCHOR: 5762.41' KB NO. OF JOINTS: 1 jts. (32.49') SN LANDED AT: 5797.70' KB NO OF JOINTS: 1 it. (30.13') TOTAL STRING LENGTH: EOT @ 5829.38' w/ 10' KB 4406-4412 4845 - 4853' reperfed SUCKER RODS 4854 - 4859' reperfed POLISHED ROD: 1-1/2" x 22' SM SUCKER RODS:1-2' x 3/4" pony rods, 100-3/4" Guided rod, 68-3/4" Sucker Rod, 58 - 3/4" Guided Rod, 6 - 1 1/2" weight rods PUMP SIZE: 2-1/2" x 1-1/2" x 13 x 16" RHAC 5256-5260 STROKE LENGTH: 85" PERFORATION RECORD **5262-5268** PUMP SPEED, SPM: 4 SPM 6/25/96 4845'-4853' 4 JSPF 32 holes 4854'-4859' 20 holes 4 SPF 6/25/96 11/17/04 5734-5742' 4 JSPF 32 holes 11/17/04 5262-5268' 4 JSPF 24 holes 5734-5742' 11/17/04 5256-5260' 4 JSPF 16 holes 4854-4859 Anchor @ 5762' 4 JSPF 20 holes (reperfed) 11/17/04 11/17/04 4845-4853' 32 holes (reperfed) 11/17/04 4406-4412' 4 JSPF 24 holes SN @ 5798' EOT @ 5829' NEWFIELD PBTD @ 6042' Monument Federal #33-6-9-16Y TD @ 6100' 1850' FSL & 1850' FEL NW/SE Section 6-T9S-R16E Duchesne Co, Utah

API #43-013-31589; Lease #UTU-74390

# Monument Federal 32-6-9-16Y

Spud Date: 3/27/97
Put on Production: 5/7/97

GL: 5885.3°

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT:24# LENGTH:? DEPTH LANDED: 315'

DEPTH LANDED: 315'
HOLE SIZE: 12-1/4"

CEMENT DATA: ? sxs Class "G" cmt, est ? bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6332.95'
DEPTH LANDED: 6342.95'
HOLE SIZE: 7-7/8"
CEMENT DATA: 175 sks Premium & 450 sks 50/50 Poz
CEMENT TOP AT: 2500'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5# NO. OF JOINTS: 139 jts (4600.66' KB) PACKER: 4308.45' TOTAL STRING LENGTH: 4319.26' SN LANDED AT: 4872' Injection Wellbore Diagram Initial Production: 5 BOPD, 100 MCFPD, 2 BWPD

#### FRAC JOB 4-21-97 5558'-5598'

Break down w/ 2940 gals 2% KCL water Frac w/ 13,500# 20/40 mesh sand and 36,300# 16/30 mesh sand w/17,136 gals 2% KCL gelled water. ISIP-2300 psi. ATP-2300 psi and ATR-31.4 BPM.

4-23-97 5321'-5326'

Frac as follows:

Frac as follows:

Break down w/ 2688 gals 2% KCL water Frac w/4500# 20/40 mesh sand and 13,300# 16/30 mesh sand w/10,794 gals 2% KCL gelled water. ISIP-2200 psi, 5 min 1900 psi. ATP-2300 psi and ATR-20.5 BPM.

20.5 BPM.
Frae as follows:

4-25-97 4654'-4664'

Frac w/27,300# 16/30 mesh sand w/12,180 gals 2% KCL gelled water

ATP-2400 psi and ATR-24.9 BPM. ISIP-2750 psi, 5 min 2260 psi.

4-28-97 4390'-4431'

2-5-00

Packer @ 4308'

= 4390'-95'

4428'-31'

4654'-64'

£ 4914'-22'

4924'-32'

= 5321'-26'

5558'-65'

5587'-91'

5594'-98'

PBTD @ 5302' TD @ 6365'

EOT @ 43191

Frac as follows:

Break down w/1848 gals 2% KCL water. Frac w/23,700# 16/30 mesh sand w/10,960 gals 2% KCL gelled water. ATP-2850 psi and ATR-28 BPM. ISIP-

2300 psi, 5 min 1791 psi 4914'-4932' Break perfs as follows:

Break down perfs @ 1800 psi. Begin injecting into D sands @ 100 BPD.

11-10-99 Convert to injection well 2/10/05 5 YR MIT

01/11/10 5 YR MIT

PERFORATION RECORD

5558'-5565' 4 JSPF 28 holes 4-18-97 5587'-5591' 4 JSPF 16 holes 4-18-97 5594'-5598' 4 JSPF 16 holes 20 holes 4-23-97 5321'-5326' 4 JSPF 40 holes 4-25-97 4654'-4664' 4 JSPF 20 holes 4-28-97 4390'-4395' 4 JSPF 4-28-97 4428'-4431' 4 JSPF 12 holes 2-5-00 4924'-4932' 4 JSPF 32 holes 4914'-4922' 4 JSPF 32 holes

NEWFIELD

Monument Federal #32-6-9-16Y 2229 FNL 1792 FEL SWNE Section 6-T9S-R16E Duchesne Co, Utah API #43-013-31300; Lease #UTU-74390

# Attachment E-12

# Monument Federal 44-6-9-16

Spud Date: 12/29/96 Put on Production: 4/3/03 GL: 5861' KB: 5875'

SESE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31720; Lease #UTU-74390

Injection Wellbore

Initial Production:17.5 BOPD, 43.1 MCFPD, .25 BWPD

#### Diagram FRAC JOB SURFACE CASING 14,110# 20/40 sand + 26,520# 16/30 sand in 5350'-5384 CSG SIZE: 8-5/8" 1/9/97 346 bbls 2% KCL wtr. Avg. treating press GRADE: J-55 1950 psi, @ 26.3 bpm, ISIP: 1950 psi. Calc. Cement Top @1003 flush: 5350 gal. Actual flush: 5334 gal. WEIGHT:24# Casing Shoe @ 256 11,430# 20/40 sand + 28,020# 16/30 sand in 1/13/97 5087'-5100' LENGTH: 5 jts (246') 343 bbls 2% KCL wtr. Avg. treating press. 1900 psi, @ 26.2 bpm, ISIP: 1800 psi. Calc. DEPTH LANDED: 256 flush: 5087 gal. Actual flush: 5040 gal. HOLE SIZE:12-1/4" Tubing leak. Update rod and tubing details. 2/6/02 CEMENT DATA: 160 sxs Class "G" cmt. Cement to surface. 1/8/03 Pump Change. Update rod details. Frac CP sands as follows: 3/24/03 5704'-5781' 75,300# 20/40 sand in YF 125 fluid. Treated @ avg. press. 4386 psi, with avg. rate of 17.2 bpm, ISIP: 2028 psi. Calc. flush: 1490 gal. Actual flush: 1387 gal. Frac B1 sands as follows: 3/26/03 5057'-5061' PRODUCTION CASING 20,500# 20/40 sand in YF 125 fluid. CSG SIZE: 5-1/2" Treated @ avg. press. 2668 psi, with avg. rate of 18.8 bpm, ISIP: 2020 psi. Calc. flush: 5057 GRADE: J-55 gal. Actual flush: 4938 gal. WEIGHT: 15.5# 3/26/03 4768'-4775' Frac DS3 sands as follows: LENGTH: 139 jts. (5900') 9,109# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2636 psi, with avg. rate DEPTH LANDED: 5910' of 15.8 bpm, Screened out, ISIP: NA psi HOLE SIZE: 7-7/8" Calc. flush: 4768 gal. Actual flush: 2058 gal. CEMENT DATA: 305 sxs premium lite cement, tail w/385 sxs 50/509 poz. 4303'-4326' Frac GB sands as follows: 3/27/03 23,044# 20/40 sand in YF 125 fluid. TOP OF CEMENT: 100' per CBL. Treated @ avg. press. 1669 psi, with avg. rate of 18.0 bpm, ISIP: 1880 psi. Calc. flush: 4303 gal. Actual flush: 4201 gal. 9/10/03 Stuck Plunger. Update rod details. 11/04/03 Tubing Leak: Update rod and tubing report. **TUBING** Pump Change. Updated rod & tubing details. 12-12-07 SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 2/6/09 Pump Change. Updated r & t detail. NO. OF JOINTS: 138 jts (4263.1') 3/10/11 Parted Rods. Updated rod & tubing detail Convert to Injection Well ON/OFF TOOL: 1 jt 1.5' @ 4273.1' 05/21/12 05/22/12 Conversion MIT Finalized - update tbg CE @ 4277.90° detail SEATING NIPPLE: 2-3/8" (1.10) SN LANDED AT: 4282' TOTAL STRING LENGTH: EOT @ 4283' Packer @ 4278' EOT @ 4283' 4303'-4307' 4313'-4316' 4323'-4326' 4768'-4775' 5057'-5061' 5087'-5100' PERFORATION RECORD 5350'-5355' 20 holes 5350'-5355' 4 SPF 28 holes 5377'-5384 5377'-5384' 4 SPF 1/08/97 1/13/97 5087'-5100' 4 SPF 52 holes 3/24/03 5777'-5781' 4 SPF 16 holes 4 SPF 64 holes 3/24/03 5704'-5720' 5087'-5100' 4 SPF 52 holes 3/26/03 5057'-5061' 4 SPF 16 holes 3/26/03 4768'-4775' 4 SPF 28 holes 5704'-5720' 3/27/03 5777'-5781' 3/27/03 4323'-4326' 4 SPF 12 holes NEWFIELD 12 holes 4313'-4316' 4 SPF 3/27/03 Shell Top of fill @ 5829 3/27/03 4303'-4307' 4 SPF 16 holes PBTD @ 5868' Monument Federal 44-6-9-16Y SHOE @ 5910' 816' FSL & 725' FEL TD @ 5950'

#### Federal 23-5G-9-16 Initial Production: 116 BOPD, 0 MCFD Spud Date: 7/18/88 64 BWPD Put on Production: 9/11/88 Injection Wellbore GL: 5821' KB: 5836' Diagram FRAC JOB SURFACE CASING 961 bbls, 102,000# 20/40 sand. ISIP-2010 8/18/90 5736'-5746' CSG SIZE: 9-5/8" psi, 5 min 1836 psi. Avg rate of 40 BPM GRADE. L-80 @ 1900 psi. WEIGHT: 53.5# 564 bbls, 54,000# 20/40 sand. ISIP-1950 5292'-5301' 8/20/90 psi, 5 min 1525 psi. Avg rate of 30 BPM LENGTH: 7 JTS @ 2050 psi. DEPTH LANDED: 300' 890 bbis, 92,000# 20/40 sand. ISIP-2560 8/22/90 5020'-5034' HOLE SIZE: 12-1/4" psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi. CEMENT DATA: 165 skx Class "G"cmt, est? bbls to surface 1453 bbls, 136,000# 20/40 sand. ISIP-8/24/90 4851'-4877' 2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi. Broke B2 & A5 zones w/ 2.6 bbl acid & 5143'-5257' 34 bbl water. Treat @ 1.25 BPM @ 900 PRODUCTION CASING Cement Top@ 1190' 3/23/07 5 Year MIT completed and submitted. CSG SIZE: 5-1/2" GRADE: K-55 WEIGHT: 17# LENGTH: 151 jts HOLE SIZE: 7-7/8" CEMENT DATA 195 sks Class "G" & 445 sks Class "G" CEMENT TOP AT 1190' SET AT. 6000 SIZE/GRADE/WT 2-7/8"/ J-55/ 6.5# NO. OF JOINTS 153 jts (4737.87') SEATING NIPPLE: 2-7/8"x1.10' Packer @ 4753' SN LANDED AT 4752,87' KB PACKER 4753 97' KB 4851'-55' D1 TOTAL STRING LENGTH: EOT @ 4761.28' KB 4857'-77' D1 5020'-34' C-SD 5143'-5148' B2 PERFORATION RECORD 5252'-5257' A .5 40 holes 8/17/90 5736'-5746' 8/19/90 5292'-5301' 4 JSPF 36 holes 5292'-5301' A1 56 holes 8/21/90 5020'-5034' 4 ISPF 8/23/90 4851'-4877' 4 JSPF 104 holes 20 holes 4/15/02 5252'-5257' 4 JSPF 5736'-46' CP 5 20 holes 4/15/02 5143'-5148' 4 JSPF SN @ 4752' EOT @ 4761' Top of fill @ 5762' NEWFIELD PBTD @ 5911' TD @ 6000' Federal #23-5G-9-16 2134 FWL & 1592 FSL

NESW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31207; Lease #U-30096

### GMBU S-6-9-16

Spud Date: 12/07/2011 PWOP: 02/10/2012

Wellbore Diagram

#### GL: 5924' KB: 5934' FRAC JOB 01/23/2012 5878-6086' Frac CP2, CP4 & CP.5, sands as follows: SURFACE CASING Frac with 44903# 20/40 white sand in 563 bbls CSG SIZE: 8-5/8' lightning 17 fluid; 869 bbls total fluid to recover GRADE: J-55 01/27/2012 5517-5656 Frac LODC, sands as follows: WEIGHT: 24# Frac with 140457# 20/40 white sand in 1094 bbls lightning 17 fluid; 1225 bbls total fluid to LENGTH: 8 jts. (330.24') DEPTH LANDED: 340.56' KB 01/27/2012 5143-5390' Frac A.5, B2 & C-Sand, sands as follows: HOLE SIZE: 12-1/4" Frac with 85657# 20/40 white sand in 645 bbls lightning 17 fluid; 795 bbls total CEMENT DATA: 170 sxs Class "G" cmt fluid to recover. Frac GB4, sands as follows: 01/27/2012 4403-4421' 4403-4404 Frac with 27676# 20/40 white sand in 4419-4421 222 bbls lightning 17 fluid; 376 bbls total fluid to recover. PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 149 jts. (6460.69') Includes Shoe Jt. (44.28') 5143-5144 HOLE SIZE: 7-7/8" DEPTH LANDED: 6476.30' KB CEMENT DATA: 240 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ. CEMENT TOP AT: SURFACE 5267-52683 5277-52783 TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 5388-5390' NO. OF JOINTS: 195 jts. (6049') PERFORATION RECORD TUBING ANCHOR: 6059' KB 6084-6086 3 JSPF NO. OF JOINTS: 1 jt. (28.8') 5517-5518' 5949-5950' 3 JSPF 3 holes 5943-5944 3 holes SEATING NIPPLE: 2-7/8" (1.1') 3 JSPF 5885-5886' 3 JSPF 3 holes SN LANDED AT: 6090.6' KB 5878-5879 3 JSPF 3 holes 5654-5656 NO. OF JOINTS: 1 jts. (62.0') 3 JSPF 6 holes 5641-5642 5629-5630" 3 JSPF 3 holes NOTCHED COLLAR: 6153.7' KB 5629-5630' 3 JSPF 3 holes 5641-5642 5517-5518' 5388-5390' 5277-5278' TOTAL STRING LENGTH: EOT @ 6154' 3 JSPF 3 holes 3 JSPF 6 holes 5654-5656' 3 JSPF 3 holes 5267-5268' 3 JSPF 5143-5144 3 JSPF 3 holes 4419-4421 3 JSPF 6 holes SUCKER RODS 4403-4404 3 JSPF 3 holes 5878-5879 POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod 5885-58863 SUCKER RODS: 78 - 7/8" 4per Guided Rods (1950'), 158 - 3/4" 4per Guided Rods (3950'), 5 - 1" Stabilizer Bars (20'), 5 - 1 1/2" Sinker Bars (125') 5943-5944' 5949-5950' STROKE LENGTH: 144" PUMP SPEED: 5 SPM Anchor @ 6059' 6084-6086 EOT @ 6154' NEWFIELD PBTD @ 6429'

TD @ 6494'



683'FSL & 2051' FEL (SW/SE) Section 6, T9S, R16E Duchesne County, Utah API #43-013-50733; Lease # UTU-74390

## GMBU B-7-9-16

H++achment E-15

bbls

Spud Date: 12/08/2011 PWOP: 02/06/2012

Wellbore Diagram

# GL: 5924' KB: 5934' SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (330.25') DEPTH LANDED: 340.57' KB HOLE SIZE: 12-1/4" CEMENT DATA: 170 sxs Class "G" cmt PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 153 jts. (6458.28') Includes Shoe Jt. (39.8') HOLE SIZE: 7-7/8" DEPTH LANDED: 6473.89' KB CEMENT DATA: 235 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ. CEMENT TOP AT: 290' **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 198 jts. (6175.4') TUBING ANCHOR: 6185.4' KB NO. OF JOINTS: 1 jt. (31.3') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 6219.5' KB NO. OF JOINTS: 2 jts. (62.7') NOTCHED COLLAR: 6283.3' KB TOTAL STRING LENGTH: EOT @ 6284' SUCKER RODS POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod SUCKER RODS: 1 – 7/8" x 2' Pony Rod, 1 – 7/8" x 4' Pony Rod, 1 – 7/8" x 6' Pony Rod, 78 – 7/8" 8per Guided Rods (1950'), 55 – ¾" 8per Guided Rods (1375'), 107 – ¾" 4per Guided Rods (2675'), 5 – 1" Stabilizers (20'), 5 – 1 ½" Sinker Bars (125') PUMP SIZE: 2 1/2" x 1 3/4" x 24' RHAC STROKE LENGTH: 144" PUMP SPEED: 5 SPM

			1111		
		· ·	01/24/2012	6079-6220'	Frac CP3, CP4 & CP5, sands as follows: Frac with 49594# 20/40 white sand in 651 bb lightning 17 fluid; 845 bbls total fluid to recover.
			01/26/2012	5893-5959'	Frac CP2 & CP.5, sands as follows: Frac with 39995# 20/40 white sand in 318 bb lightning 17 fluid; 459 bbls total fluid to recover.
		4714 4715'	01/26/2012	5495-5635	Frac A3 & LODC, sands as follows: Frac with 39881# 20/40 white sand in 311 bbls lightning 17 fluid; 442 bbls total fluid to recover.
		4714-4715° 4719-4720°	01/26/2012	5253-5402'	Frac A1 & B2, sands as follows: Frac with 70803# 20/40 white sand in 550 bbls lightning 17 fluid; 675 bbls total fluid to recover.
JA/-JA/	W-W	4923-4924' 4934-4936'	01/26/2012	4714-4936	Frac DS3 & PB10, sands as follows: Frac with 49833# 20/40 white sand in 383 bbls lightning 17 fluid; 495 bbls total fluid to recover.
(A/AA)	MW	5253-5254' 5261-5262'			
JAAA	-WHW	5393-5394° 5400-5402°			
		5495-5496'		621 616	RFORATION RECORD  18-6220' 3 JSPF 6 holes 53-6164' 3 JSPF 3 holes 79-6080' 3 JSPF 3 holes
취		5605-5606'		595 595	57-5959' 3 JSPF 6 holes 50-5951' 3 JSPF 3 holes 99-5900' 3 JSPF 3 holes
AA.		5633-5635		589 560 560 549	939-5894' 3 JSPF 3 holes 33-5635' 3 JSPF 6 holes 95-5496' 3 JSPF 3 holes 90-5496' 3 JSPF 3 holes 90-5492' 3 JSPF 6 holes
<b>\</b>	<del>  </del>	5893-5894'		539	93-5394' 3 JSPF 3 holes 61-5262' 3 JSPF 3 holes
F		5899-5900'		525 493	53-5254' 3 JSPF 3 holes 34-4936' 3 JSPF 6 holes
쇰	岩川	5950-5951'		471	23-4924' 3 JSPF 3 holes 19-4720' 3 JSPF 3 holes
		5957-5959'		47	14-4715' 3 JSPF 3 holes
<b>A</b>		6079-6080'			
幇		6163-6164'			
		Anchor @ 6185	,		
幇		6218-6220'			
		EOT @ 6284'			
		PBTD @ 6431'			
/		TD @ 6486'			

FRAC JOB

**NEWFIELD** 

**GMBU B-7-9-16** 667'FSL & 2065' FEL (SW/SE)

Section 6, T9S, R16E Duchesne County, Utah API #43-013-50724; Lease # UTU-74390

### GMBU P-5-9-16

Spud Date: 11/22/2011 PWOP: 01/19/2012 GL: 58632 KB: 58733

> Section 6, T9S, R16E Duchesne County, Utah API #43-013-50740; Lease # UTU-74390

Wellbore Diagram

#### GL: 5863' KB: 5873' FRAC JOB 12/20/2011 5808-6139' Frac CP5 & CP.5, sands as follows: SURFACE CASING Frac with 50202# 20/40 white sand in 650 bbls lightning 17 fluid; 839 bbls CSG SIZE: 8-5/8" total fluid to recover. GRADE: J-55 Frac LODC & A3, sands as follows: 01/05/2012 5362-56203 WEIGHT: 24# Frac with 153832# 20/40 white sand in 1147 bbls lightning 17 fluid; 1275 bbls total LENGTH: 7 jts. (317.8') fluid to recover. DEPTH LANDED: 320.12' KB 01/05/2012 5275-5291' Frac A.5, sands as follows: HOLE SIZE: 12-1/4" Frac with 75336# 20/40 white sand in 596 bbls lightning 17 fluid; 721 bbls total fluid to CEMENT DATA: 160 sxs Class "G" cmt 01/05/2012 5043-5166' Frac B2 & C-Sand, sands as follows: Frac with 50746# 20/40 white sand in 409 bbls 4367-4368 lightning 17 fluid; 527 bbls total fluid to PRODUCTION CASING recover. CSG SIZE: 5-1/2" Frac GB4 & GB6, sands as follows: 4379.5-4380.5' 01/05/2012 4367-4446' GRADE: J-55 Frac with 50342# 20/40 white sand in 413 bbls 4386-4388 lightning 17 fluid; 580 bbls total fluid to WEIGHT: 15.5# recover 4443-4446 LENGTH: 151 jts. (6370.59') (Includes Shoe jt. (43.8') HOLE SIZE: 7 7/8' 5043-5045 DEPTH LANDED: 6387.60' KB 5152-5153" CEMENT DATA: 240 sxs Prem. Lite II & 460 sxs 50/50 POZ. 5159-5160' CEMENT TOP AT: 380' 5164-51663 5275-5276 5279-5280' **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 5285-5287 NO. OF JOINTS: 194 jts. (6074.3') 5290-52913 PERFORATION RECORD TUBING ANCHOR: 6084.3' KB 6136-6139' 3 JSPF 9 holes 5362-5363 NO. OF JOINTS: 1 it. (31.4') 6131-6132' 3 JSPF 3 holes 5813-5814' 3 JSPF SEATING NIPPLE: 2-7/8" (1.1') 5390-5391' 5808-5809' 3 JSPF 3 holes SN LANDED AT: 6118.4' KB 5619-5620' 3 JSPF 3 holes 5407-54083 5612-5613 3 JSPF 3 holes NO. OF JOINTS: 2 jts. (62.6') 5421-5423' 5593-5595 6 holes NOTCHED COLLAR: 6182.0 5552-5553 3 JSPF 3 holes 5451-5452' 5537-5538' TOTAL STRING LENGTH: EOT @ 6183' 3 JSPF 3 holes 5457-54583 5480-5482 3 JSPF 6 holes 5472-5474 3 JSPF 6 holes 5472-5474 5457-5458' 5451-5452' 3 JSPF 3 holes 5480-5482 3 JSPF 3 holes 5421-5423 3 JSPF 6 holes 5537-5538 5407-5408 3 JSPF 3 holes SUCKER RODS 5390-5391' 5362-5363' 3 JSPF 3 holes 3 JSPF 3 holes POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod 5552-5553' 5290-5291' 3 JSPF 3 holes 5285-5287 3 JSPF 6 holes SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 77 - 7/8" 4per Guided Rods (1925'), 160 – ¾" 4per Guided Rods (4000'), 5 – 1" Stabilizer bars (20'), 5 – 1 ½" Sinker 5593-5595 5279-5280' 3 JSPF 3 holes 3 JSPF Bars (125') 5275-5276' 3 holes 5164-5166' 5612-5613' 3 JSPF PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC 5159-5160' 3 JSPF 6 holes 5619-5620 5152-5153 3 JSPF 3 holes STROKE LENGTH: 144" 3 JSPF 5808-5809 5043-5045 3 holes PUMP SPEED: 5 SPM 4443-4446 3 JSPF 6 holes 5813-5814 4386-4388' 3 JSPF 9 holes 4379.5-4380.5 3 JSPF 4367-4368' 3 JSPF 6 holes 3 holes Anchor @ 6084' 6131-6132 6136-61393 **NEWFIELD** EOT @ 6183' PBTD @ 6341' GMBU P-5-9-16 855'FSL & 692' FEL (SE/SE) TD @ 6387'

# Hachment E-17

### GMBU E-8-9-16

Spud Date: 11/22/2011 PWOP: 01/12/2012 GL: 5863' KB: 5873'

Wellbore Diagram

#### SURFACE CASING

CSG ŚIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#

LENGTH: 7 jts. (318.2') DEPTH LANDED: 328.52' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 149 jts. (6453.73') Includes Shoe Joint (41.14')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6471.34' KB

CEMENT DATA: 240 sxs Prem. Lite II mixed & 460 sxs 50/50 POZ.

CEMENT TOP AT: 40'

#### **TUBING**

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 191 jts. (5935.5') TUBING ANCHOR: 5945.5' KB NO. OF JOINTS: 1 jt. (31.3') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5979.7' KB NO. OF JOINTS: 2 jts. (61.8') NOTCHED COLLAR: 6042.6' KB TOTAL STRING LENGTH: EOT @ 6043'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

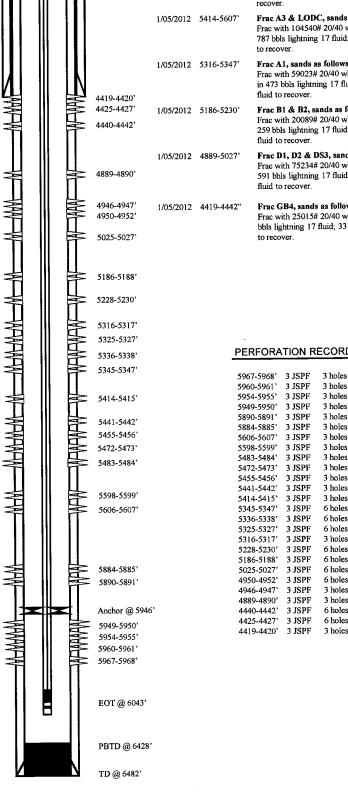
SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 8' Pony Rod, 76 - 7/8" 8per Guided Rods (1900'), 68 - 3/4" 8per Guided Rods (1700'), 87 - 34" 4per Guided Rods (2175'), 5 - 1" Stabilizer Bars (20'), 5 - 1 1/2" Sinker Bars (125")

PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC

STROKE LENGTH: 144" PUMP SPEED: 6 SPM

# NEWFIELD **GMBU E-8-9-16**

838'FSL & 704' FEL (SE/SE) Section 6, T9S, R16E Duchesne County, Utah API #43-013-50738; Lease # UTU-74390



Frac CP2 & CP.5, sands as follows:

Frac with 89321# 20/40 white sand in 1056 bbls lightning 17 fluid; 1253 bbls total fluid to

Frac A3 & LODC, sands as follows:

Frac with 104540# 20/40 white sand in 787 bbls lightning 17 fluid; 916 bbls total fluid

Frac A1, sands as follows:

FRAC JOB

12/20/2011 5884-59683

Frac with 59023# 20/40 white sand in 473 bbls lightning 17 fluid; 600 bbls total

Frac B1 & B2, sands as follows:

Frac with 20089# 20/40 white sand in 259 bbls lightning 17 fluid; 397 bbls total

Frac D1, D2 & DS3, sands as follows:

Frac with 75234# 20/40 white sand in 591 bbls lightning 17 fluid; 708 bbls total

Frac GB4, sands as follows:

Frac with 25015# 20/40 white sand in 211 bbls lightning 17 fluid; 331 bbls total fluid

#### PERFORATION RECORD

3901-3500	2 2011	Jiloles
5960-5961	3 JSPF	3 holes
5954-5955	3 JSPF	3 holes
5949-5950'	3 JSPF	3 holes
5890-5891'	3 JSPF	3 holes
5884-5885	3 JSPF	3 holes
5606-5607	3 JSPF	3 holes
5598-5599	3 JSPF	3 holes
5483-5484	3 JSPF	3 holes
5472-5473	3 JSPF	3 holes
5455-5456'	3 JSPF	3 holes
5441-5442'	3 JSPF	3 holes
5414-5415	3 JSPF	3 holes
5345-5347	3 JSPF	6 holes
5336-5338'	3 JSPF	6 holes
5325-5327'	3 JSPF	6 holes
5316-5317'	3 JSPF	3 holes
5228-5230'	3 JSPF	6 holes
5186-5188'	3 JSPF	6 holes
5025-5027	3 JSPF	6 holes
4950-4952'	3 JSPF	6 holes
4946-4947	3 JSPF	3 holes
4889-4890'	3 JSPF	3 holes
4440-4442°	3 JSPF	6 holes
4425-4427'	3 JSPF	6 holes
4419-4420°	3 JSPF	3 holes

# GMBU R-5-9-16

Attachment E-18

Spud Date: 11/04/2011 PWOP: 01/03/2012

#### Wellbore Diagram

#### GL: 5843' KB: 5856' SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (317.25') DEPTH LANDED: 330.57' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt 4354-4355 4387-4389 PRODUCTION CASING CSG SIZE: 5-1/2' 4473-4474 GRADE: J-55 4490-4492 WEIGHT: 15.5# 4496-4497' LENGTH: 155 jts. (6415.63') Includes Shoe Joint (43.81'), Flag Joint (11.1') & Landing Joint (15.8') HOLE SIZE: 7-7/8" DEPTH LANDED: 6418.44' KB CEMENT DATA: 250 sxs Prem. Lite II mixed & 435 sxs 50/50 POZ. CEMENT TOP AT: Surface 4965-4698 **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 5088-50893 5096-5098 NO. OF JOINTS: 199 jts. (6116.2') 5102-5103 TUBING ANCHOR: 6129.2' KB NO. OF JOINTS: 2 jt. (62.0') SEATING NIPPLE: 2-7/8" (1.1') 5374-5375 SN LANDED AT: 6194.1' KB NO. OF JOINTS: 2 jts. (59.8') 5408-5409' NOTCHED COLLAR: 6254.9' KB 5415-5416 TOTAL STRING LENGTH: EOT @ 6255' 5419.5-5420.53 5428-5430' SUCKER RODS POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 76 - 7/8" 8per Guided Rods (1900'), 164 - 3/4" 4per Guided Rods (4100'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Guided PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC STROKE LENGTH: 144" Anchor @ 6129' PUMP SPEED: 5 SPM 6166-6168' 6176-6177 6188-6190'

FRAC JOB 12/09/2011 6166-61903 Frac CP4, sands as follows: Frac with 30086# 20/40 white sand in 369 bbls lightning 17 fluid; 560 bbls total fluid to recover 12/15/2011 5374-5430' Frac A1, sands as follows: Frac with 100616# 20/40 white sand in 745 bbls lightning 17 fluid; 890 bbls total fluid to 12/15/2011 4965-5103° Frac D1 & D3, sands as follows: Frac with 109284# 20/40 white sand in 815 bbls lightning 17 fluid; 957 bbls total fluid to recover. Frac GB2, GB4 & GB6, sands as follows: 12/15/2011 4354-4497' Frac with 76494# 20/40 white sand in 545 bbls lightning 17 fluid; 711 bbls total fluid to recover. PERFORATION RECORD 6188-6190' 3 JSPF 6 holes 6176-6177' 3 ISPF 3 holes 6166-6168' 6 holes 3 ISPF 5428-5430' 6 holes 3 JSPF 5419.5-5420.5' 3 JSPF 3 holes 5415-5416' 3 JSPF 3 holes 5408-5409' 3 JSPF 3 holes 5374-5375 3 JSPF 3 holes 5102-5103 3 JSPF 3 holes 5096-5098 3 JSPF 6 holes 5088-5089' 3 JSPF 3 holes 4965-4698' 3 JSPF 9 holes 4496-4497 3 JSPF 3 holes 4490-4492' 3 JSPF 6 holes 4473-4474 3 JSPF 3 holes 4387-4389 3 JSPF 6 holes 4354-4355' 3 JSPF 3 holes

EOT @ 6255'

PBTD @ 6372'

TD @ 6430'

NEWFIELD
GMBU R-5-9-16

695'FSL & 1988' FWL (SE/SW) Section 5, T9S, R16E Duchesne County, Utah

API #43-013-50705; Lease # UTU-73087

Attachment E-19

### Wells Draw 5-5-9-16

Initial Production: 18.5 BOPD, Spud Date: 10/19/2000 21.6 MCFD, 62.9 BWPD Put on Production: 1/10/2001 Injector Wellbore GL: 5803' KB: 5813' Diagram FRAC JOB SURFACE CASING Frac CP-3 sands as follows: 1/03/01 5907'-5916' CSG SIZE: 8-5/8" Frac with 41,486# 20/40 sand in 370 bbls GRADE: J-55 Viking I-25 fluid. Treat at 2220 psi @ 28 BPM. ISIP 2280 psi. WEIGHT: 24# 1/03/01 5252'-5292' Frac A sands as follows: LENGTH: 7 jts. (306.57') Frac with 95,486# 20/40 sand in 608 bbls HOLE SIZE: 12-1/4" Viking I-25 fluid. Treated at avg. 1930 psi @ 31.5 BPM. ISIP 2510 psi CEMENT DATA 155 sxs Class "G" cmt Frac PR-10 sands as follows: 1/04/01 4509'-4630' Frac with 181,036# 20/40 sand in 1055 bbls Viking I-25 fluid. Treated @ 2300 psi at 35.5 BPM. ISIP 2850 psi. Frac GB-4 sands as follows: 1/04/01 4290'-4352' Frac with 77,411# 20/40 sand in 516 bbls Viking I-25 fluid. Treated @ 1900 psi at 30 BPM. ISIP 2085 psi PRODUCTION CASING Pump change revised tubing and rod details. 7/31/01 CSG SIZE: 5-1/2" 10/3/01 Pump change. Update tubing and rod details. GRADE J-55 12/12/01 Pump change. Update tubing and rod details. WEIGHT 15.5# Set Packer Waiting on permission to inject. 11/13/02 LENGTH 135 jts (6011.57') Includes Shoe Jt (11.5') 12/10/02 Start Injecting. HOLE SIZE: 7-7/8" 5 year MIT completed and submitted. 10/10/07 DEPTH LANDED: 6022.82 CEMENT DATA 275 sk Prem. Lite II mixed & 625 sxs 50/50 POZ. CEMENT TOP AT ? per CBL Packer @ 4219' EOT @ 4224' <u>TUBI</u>NG SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# 4290'-4298' GB2 NO. OF JOINTS. 129 jts (4205.15') SEATING NIPPLE: 2-7/8" (1 10') 4343'-4352' GB4 SN LANDED AT: 4215 15' 4509'-4540' PB8 PACKER 4219.463 TOTAL STRING LENGTH. EOT @ 4223.56' 4625'-4634' PB10 4917'-4925' 5025'-5030' 5252'-5268' A5 PERFORATION RECORD 5287'-5292' A1 4290'-4298' 1/03/01 5570'-5572' LODC 1/03/01 43431-43521 4 JSPF 36 holes 4509'-4540' 4 JSPF 124 holes 1/03/01 1/04/01 4625'-4534' 4 JSPF 36 holes 5580'-5590' LODC 64 holes 1/04/01 1/04/01 5252'-5268' 4 JSPF | 1/04/01 | 5252'-5268' | 1/04/01 | 5287'-5292' | 1/04/01 | 5907'-5916' | 1/11/02 | 5622'-5631' | 1/11/02 | 5580'-5506' | 1/11/02 | 570'-5572' | 1/11/02 | 5025'-5300' | 1/11/02 | 4917'-4925' | 4 JSPF 4 JSPF 4 JSPF 20 holes 5596'-5606' LODC 36 holes 4 JSPF 4 JSPF 40 holes 40 holes 8 holes 5622'-5631' LODC 4 JSPF 4 JSPF 4 JSPF 5907'-5916' CP3 Top of Fill @ 5901' NEWFIELD PBTD @ 6001' TD @ 6039' Wells Draw 5-5-9-16 2093' FNL & 661' FWL

SWNW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31759; Lease #UTU-69744

### GMBU D-8-9-16

Spud Date: 12/13/2011 PWOP: 02/16/2012

> 854'FSL & 74' FWL (SW/SW) Section 5, T9S, R16E Duchesne County, Utah API #43-013-50721; Lease # UTU-73087

#### Wellbore Diagram

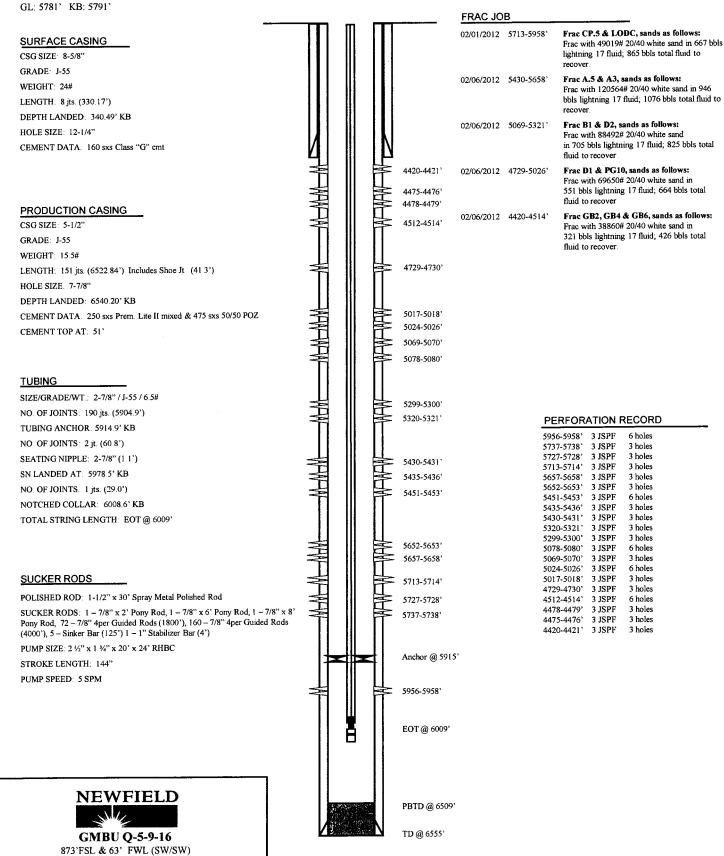
#### GL: 5781' KB: 5791' **FRAC JOB** 02/01/2012 5937-6290 Frac CP5 & CP.5, sands as follows: SURFACE CASING Frac with 19754# 20/40 white sand in 248 bbls lightning 17 fluid; 454 bbls total fluid to CSG SIZE: 8-5/8" GRADE: J-55 02/07/2012 5314-5447 Frac A.5 & B2, sands as follows: WEIGHT: 24# Frac with 39947# 20/40 white sand in 322 bbls lightning 17 fluid; 449 bbls total fluid to LENGTH: 8 its. (329.25') DEPTH LANDED: 342.57' KB 02/07/2012 4998-5056 Frac D1 & D2, sands as follows: HOLE SIZE: 12-1/4" Frac with 40188# 20/40 white sand in 327 bbls lightning 17 fluid; 446 bbls total CEMENT DATA: 160 sxs Class "G" cmt fluid to recover 4407-4408' Frac GB6 & PB10, sands as follows: 02/07/2012 4478-4723 4417-4418' Frac with 32023# 20/40 white sand in 270 bbls lightning 17 fluid; 376 bbls total 4427-4429 PRODUCTION CASING 4478-4479 Frac GB4, sands as follows: 02/07/2012 4407-44293 CSG SIZE: 5-1/2' Frac with 67193# 20/40 white sand in 4482-4483 508 bbls lightning 17 fluid; 663 bbls total GRADE: J-55 4503-4504 fluid to recover WEIGHT: 15.5# LENGTH: 151 jts. (6539.90') Includes Shoe jt (44.53') HOLE SIZE: 7-7/8" 4719-4720' DEPTH LANDED: 6555 51' KB 4721-4723 CEMENT DATA: 250 sxs Prem Lite II mixed & 475 sxs 50/50 POZ. CEMENT TOP AT: 36' 4998-4999 5002-5003 **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 5043-50443 NO. OF JOINTS: 200 its. (6254.2') PERFORATION RECORD 5047-5048 TUBING ANCHOR: 6264.2' KB 6288-6290' 3 JSPF 5054-5056 NO. OF JOINTS: 1 jt. (31 5') 5937-5938 3 holes 3 JSPF 5445-5447 3 JSPF 6 holes SEATING NIPPLE: 2-7/8" (1.1') 5423-5424' 3 JSPF 3 holes SN LANDED AT: 6298.5' KB 5413-5414' 3 JSPF 3 holes NO. OF JOINTS: 1 jts. (28.9') 5314-5315' 3 JSPF 3 holes 5314-5315' 5054-5056° 5047-5048° 6 holes 3 JSPF NOTCHED COLLAR: 6328.5' KB 3 holes 3 JSPF 5043-5044 3 holes TOTAL STRING LENGTH: EOT @ 6329' 3 JSPF 5002-5003 3 holes 3 JSPF 5413-5414' 4998-4999 3 JSPF 3 holes 4721-4723 3 JSPF 6 holes 5423-5424 4719-4720' 3 holes 3 JSPF 5445-5447 4503-4504' 3 JSPF 3 holes SUCKER RODS 4482-4483 3 JSPF 3 holes 4478-4479' 3 JSPF 3 holes POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod 4427-44293 3 JSPF 6 holes 4417-4418' 3 JSPF 3 holes SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 – 7/8" x 8' Pony Rod, 81 – 7/8" 8per Guided Rods (2025'), 52 – 3/4" 4407-44083 3 holes 3 JSPF 8per Guided Rods (1300'), 110 - 3/4" 4per Guided Rods (2750'), 5 - 1 1/2" Sinker Bar (125'), 1 - 1" Stabilizer Bar (4') 5937-5938 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 24' RHAC STROKE LENGTH: 144" PUMP SPEED: 5 SPM Anchor @ 6264' 6288-6290 EOT @ 6329' **NEWFIELD** PBTD @ 6507' TD @ 6560' GMBU D-8-9-16

# GMBU Q-5-9-16

Spud Date: 12/12/2011 PWOP: 02/13/2012

> Section 5, T9S, R16E Duchesne County, Utah API #43-013-50722; Lease # UTU-73087

#### Wellbore Diagram



GMBU C-8-9-16 Spud Date: 11/07/2011 PWOP: 12/21/2011 Wellbore Diagram GL: 5843' KB: 5856' FRAC JOB Frac CP.5, CP1 & CP3, sands as follows: 12/09/2011 5862-6197' SURFACE CASING Frac with 54214# 20/40 white sand in 673 bbls lightning 17 fluid; 859 bbls total fluid to CSG SIZE: 8-5/8" GRADE: J-55 12/15/2011 5385-5433° Frac A.5, A1 & A3, sands as follows: WEIGHT: 24# Frac with 59128# 20/40 white sand in 472 bbls lightning 17 fluid; 618 bbls total fluid to LENGTH: 7 jts. (317.85') DEPTH LANDED: 333.17' KB 12/15/2011 4961-5211 Frac B1 & D1, sands as follows: HOLE SIZE: 12-1/4" Frac with 49847# 20/40 white sand in 398 bbls lightning 17 fluid, 537 bbls total CEMENT DATA: 160 sxs Class "G" cmt fluid to recover. 4343-4344' 12/15/2011 4343-4491' Frac GB2, GB4 & GB6, sands as follows: Frac with 114640# 20/40 white sand in 4382-4383 859 bbls lightning 17 fluid; 977 bbls total fluid to recover. PRODUCTION CASING 4415-4416 CSG SIZE: 5-1/2' 4455-4456' GRADE: J-55 4472-4473 WEIGHT: 15.5# 4481-4482 LENGTH: 154 jts. (6441.65') Includes Flag Joint (10.97') & Landing 4490-4491 Joint (15.8') HOLE SIZE: 7-7/8" DEPTH LANDED: 6444.46' KB CEMENT DATA: 250 sxs Prem. Lite II mixed & 435 sxs 50/50 POZ. 4961-4963 CEMENT TOP AT: 40' 4966-4967 **TUBING** 5208-5211' SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 198 jts. (6155.7') PERFORATION RECORD TUBING ANCHOR: 6167.7' KB 6195-6197 3 JSPF 6 holes 5385-5386' NO. OF JOINTS: 1 jt. (31.2') 6007-6008 3 JSPF 3 holes 5397-5398 5996-5997' 3 JSPF 3 holes SEATING NIPPLE: 2-7/8" (1.1') 5992-5993 3 holes 5403-5404' 3 JSPF SN LANDED AT: 6201.7' KB 5862-5863 3 JSPF 3 holes 5407-5408' 5431-5433 6 holes NO. OF JOINTS: 2 jts. (62.6') 3 JSPF 5412-5413' 5412-5413 3 holes 3 JSPF NOTCHED COLLAR: 6265.3' KB 5407-5408 3 JSPF 3 holes 5431-54333 5403-5404 TOTAL STRING LENGTH: EOT @ 6266' 3 JSPF 5397-5398 3 JSPF 3 holes 5385-5386' 3 JSPF 3 holes 5208-5211 3 JSPF 9 holes 4966-4967 3 JSPF 3 holes 4961-4963 3 JSPF 6 holes SUCKER RODS 3 holes 4490-4491 3 JSPF 3 holes 4481-4482' 3 JSPF POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod 4472-4473 3 JSPF 3 holes 5862-5863 4455-4456' 3 JSPF 3 holes SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 6' Pony Rod, 72 - 7/8" 4415-4416' 3 JSPF 3 holes 4per Guided Rods (1800'), 162 - 3/4" 4per Guided Rods (4050'), 12 - 7/8" 8per 3 JSPF 4382-4383 3 holes Guided Rods (300') 4343-4344' 3 JSPF 5992-5993' PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC 5996-5997 STROKE LENGTH: 144" 6007-60083 PUMP SPEED: 5 SPM Anchor @ 6168'

6195-6197'

EOT @ 6266'

PBTD @ 6398'

TD @ 6455'



GMBU C-8-9-16

674'FSL & 1983' FWL (SE/SW) Section 5, T9S, R16E Duchesne County, Utah API #43-013-50704; Lease # UTU-73087



GMBU N-5-9-16 Monument Butte - Duchesne County, Utah, USA

Surface Location: SE/NW - Sec 6, T9S, R16E; 2,032' FNL & 1,795' FWL

5,791' GL + 10' KB

PFM 10/30/12

DETAIL	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID .	gal/ft	Coupling	Hole	_		- 11		
ΕŢΑ	Surf	10'	314'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250			ll l		
_	Prod	10'	6,433	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7,875			H	- 1 1.1	
11.	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	łD		Packer/Hange	er		И	H	N	
DETAIL	10'	5,771'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anci	hor Set @	5,672'		4			8-5/8"Shoe @ 31
_					D. #	0.	0	) an off	Count		<u> </u>	ump					- [ ]	
		Component		Тор	Bottom	Size	Grade	Length	Count	Incart Ouron		x 1.75 Plunger	RHAC @				11	
	Polish Rod			0,	30'	1 1/2"	4140	30'	1			rod pump #NF				Ш		
	Pony Rod			30,	32'	7/8"	Tenaris D78	2' 4'	1	SL 224"						H		
2	Pony Rod			32' 36'	36' 44'	7/8" 7/8"	Tenaris D78 Tenaris D78	8'	1									
NOD DE LAIE	Pony Rod 4per Guided	Rod		44'	1.944'	7/8"	Tenaris D78	1,900'	76	ł					11			
1	Aper Guided			1,944	4,994	3/4"	Tenaris D54	3,050	122	1					- 11			
	8per Guided			4,994	5,694'	7/8"	Tenaris D78	700'	28	i					11			
age	Тор	Bottom	SPF	Gun Size	Date				Frac S	ummary					11	Ш		
,	4,388	4,389	3	3'	8/7/2012	Formation:		GB-2	GB-4			Base fl	uid is 7% KCI		11	H		
	4,395	4,396	3	3'	8/7/2012	20/40 White	:	128,024	lbs	15% HCI:		0	gals			Į į	[]	
	4,406'	4,407	3	3'	8/7/2012	Pad:		3,200	gals	Treating Flu	ıid:	28,031	gals				[ ]	
	4,418'	4,419	3	3'	8/7/2012	Flush:		4,183	gals	Load to Red	cover:	35,414	gals				11	
	4,430'	4,431	3	3'	8/7/2012	ISIP=		1 008	psi/ft	Max STP:		3,402	psi					
	4,438'	4,439'	3	3'	-										11	Н		
5	4,655	4,656	3	3'	8/7/2012	Formation:		D-1	PB-10			Base fi	uid is 7% KCI		11			
	4,663	4,664	3	3'	8/7/2012	20/40 White	:	40,608	bs	15% HCI:		626	gals		11			
1	4,915'	4,917'	3	6'	8/7/2012	Pad:		8,408	gals	Treating Flu	uid:	9,329 gals			- 11			
	4,924	4,926'	3	6'	8/7/2012	Flush:		4,683	gals	Load to Red	cover:	23,046 gals					- 11	
j	0'	0'	3	0'	-	ISIP=		0.867	psi/ft	Max STP:		4,213 psi			11	Ш	- 11	
4	5,078'	5,079'	3	3'	8/7/2012	Formation:		C-Sand				Base fluid is 7% KCI			11			
	5,083'	5,084'	3	3'	8/7/2012	20/40 White	:	44,719	lbs .	15% HCI:			gals		- 11	11		
	5,089'	5,091'	3	6'	8/7/2012	Pad:		2,835		Treating Flu		10,738			- 11		11	
1	0,	0'	3	0'		Flush:			gals	Load to Red	cover:	14,543				H		
	0,	0'	3	0'	-	ISIP=			- psi/ft	Max STP:		4,246			- 11		11	
3	5,212	5,213'	3	3'	8/7/2012	Formation:		8-2					uid is 7% KCI					
	5,220'	5,221*	3	3'	8/7/2012	20/40 White	:	74,970		15% HCI:			gals				11	
	5,228'	5,229'	3	3'	8/7/2012	Pad:		3,263		Treating Flu		17,162					- 11	
	5,234'	5,235'	3	3'	8/7/2012	Flush:		5,292		Load to Red Max STP:	cover:	26,217			- [ ]			
	0,	0'	3	0'	-	ISIP=			ps/ft	INBX 317:		4,180				H		
2	5,333'	5,334'	3	3'	8/7/2012	Formation:		A-5		469/ HCI:			uid is 7% KCI					
	5,340'	5,341'	3	3,	8/7/2012	20/40 White	:	83,738		15% HCI:	uid:		gals			حلام		
1	5,344'	5,345'	3	3'	8/7/2012	Pad:		3,158	•	Treating Flu		19,493 28,245	-					
	5,358'	5,360'	3	6'	8/7/2012	Flush: ISIP∞		5,384	gais psi/ft	Max STP:		3,640				A		
	0,	0'	3	0'									uid is 7% KCI			U	[]	
'	5,559'	5,560'	3	3'		Formation:		LODC	A-3	15% HCI:			uidis 7% KCI gals					5-1/2"Shoe @ 6,43
ı	5,574'	5,575'	3	3,	8/3/2012	20/40 White Pad:		181,244 4,750		Treating Flu	uid.	752 41,610	-					TVD @ 6,316'
	5,588'	5,589	3	3'	8/3/2012	Flush:		5,594	-	Load to Red		52,706			<b>⊿</b> ≋		<b>**N</b>	BHST ≈ 190°F
1	5,613'	5,614'	3	3,	8/3/2012 8/3/2012	ISIP=			psi/ft	Max STP:		3,888						
ı	5,623'	5,624 5,636	3	3'	8/3/2012	l		0.000				-,-00	•					
į	5,635' 5,648'	5,649'	3	3,	8/3/2012	l												
	0,040	0,0.0				L												



GMBU L-6-9-16 Monument Butte - Duchesne County, Utah, USA

Surface Location: SE/NE - Sec 6, T9S, R16E; 1,973' FNL & 672 FEL

5,838' GL + 10' KB

Mickey Moulton

PFM 10/31/12

																		Date: 7/9/12; PoP Date: 8/10			
											; Lease#: UT						Spua	Jate: 1/9/12; POP Date: 8/10			
╡	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling				- П					
DETAIL	Surf	10'	309'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250	4		H					
_	Prod	10'	6,430'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950" ID	0.9997	LTC acker/Hang	7.875	4		H					
₫	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse			6,187'	ł		II		8-5/8" Shoe @ 30				
DETAIL	10'	6,286'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	rubing Anci	ichor set @ 0,167				- 11	- 11	0-0/5 0/100 @ 00			
┥		Component		Тор	Bottom	Size	Grade	Length	Count		Pı	ımp		1		- 11	- 11				
١		Component		0,	30'	1 1/2"	Spray Metal	30'	1	Insert Pump	2.5 Max ID >		r RHAC @	l	- 11	- 11	H				
	Polish Rod Pony Rod			30'	110'	7/8"	Tenaris D78	80'	4		ral Hydraulic				11	II.					
١	4per Guided	Rod		110'	2,035'	7/8"	Tenaris D78	1,925'	77	1						i i i	H				
ı	4per Guided			2,035'	5,560'	3/4"	Tenaris D78	3,525'	141	1					- 1.1	Ш					
	8per Guided			5,560	6,260'	7/8"	Tenaris D78	700'	28						- 11		H				
ge	Тор	Bottom	SPF	Gun Size	Date				Frac Si	ummary					- 11	Ш					
7	4,417'	4,419'	3	6'	8/2/2012	Formation:		GB-6	GB-4			Base f	fluid is 7% KCI		- 11	H	- 11				
į	4,500'	4,503'	3	9'	8/2/2012	20/40 White	:	72,775		15% HCI:			) gals	I							
	0'	0'	3	0'		Pad:		3,982	-	Treating Flo		11,263	-		1	H					
ſ	0'	0'	3	0'	-	Flush:		4,150		Load to Re	cover:	19,39	-		11						
	0'	0'	3	0'	-	ISIP=		0.999		Max STP:		3,289		Į							
1	4,614'	4,615'	3	3'	8/2/2012	Formation:		PB-11	PB-10	PB-8			fluid is 7% KC		- []						
I	4,699'	4,701'	3	6'	8/2/2012	20/40 White	:	79,932		15% HCI:			0 gals	l							
ļ	4,741	4,744'	3	9'	8/6/2012	Pad:		4,225		Treating Flo		16,922		I							
ı	0,	0'	3	0'	-	Flush:							Load to Red Max STP:	cover:	26,086			1	II II		
4	0'	.0'	3	0'	-	ISIP=		0.989		Max SIP:		3,516	<del> </del>	- 11	- 11						
	5,021'	5,023	3	6'	0.0.20.2	Formation:		B-Half	D-2	450/ 1101-			fluid is 7% KCI		11						
1	5,193'	5,196'	3	9'	8/6/2012	20/40 White Pad:	:	37,752		15% HCI: Treating Flo	dd.		8 gals 2 gals		- 1	l II					
ı	0'	0'	3	0.	-	Flush:		10,298 5,288		Load to Re			2 gais 3 gais		1.1	H					
ı	0'	0'	3	0,	<del></del>	ISIP=		0.928		Max STP:											
			3		01010010	Formation:		A-3					fluid is 7% KC	1		H					
ı	5,476' 0'	5,479' 0'	3	0, 8,	8/6/2012	20/40 White			lbs	15% HCI:			0 gals		- [ ]	H	F				
ı	0,	0,	3	0,	<del></del>	Pad:			gals	Treating Flo	uid:		0 gals		11						
ı	0,	0,	3	0,		Flush:			gals	Load to Re	cover:	676	6 gals		H	Ш	- 11				
ı	0'	0'	3	0'		iSIP=			psi/ft	Max STP:		4,762	2 psi		11	Ш	- 11				
7	5,521	5,522'	3	3'	8/6/2012	Formation:		LODC				Base 1	fluid is 7% KC	1	- 11	II.					
١	5,536'	5,537'	3	3'	8/6/2012	20/40 White	:	44,795	lbs	15% HCI:		50	0 gals	I	[ ]						
	5,565'	5,566'	3	3'	8/6/2012	Pad:		3,331		Treating Fl		13,53	4 gals	I			E I				
	5,592'	5,593'	3	3'	8/6/2012	Flush:		5,930		Load to Re	cover:	23,29		I							
	5,615'	5,616'	3	3'	8/6/2012	ISIP=		0.949	psi/ft	Max STP:		4,028	B psi	l							
	5,640'	5,641'	3	3,	8/6/2012	l								1		H					
	5,651'	5,652'	3	3'	8/6/2012	<u> </u>								ł		H	11				
	5,879'	5,882'	3	9'	8/6/2012	Formation:	_	CP-Haif		15% HCI:			fluidis 7% KC		[ ]						
	0'	0'	3	0'	<u> </u>	20/40 White Pad:	•	20,139		Treating Fit	uid:		0 gals 7 gals		1 4	للحد					
	0'	0,	3	0,	<del>-</del>	Pad: Flush:		2,906 5,666		Load to Re			ryals 9 gals	1	<b>!</b> [						
	0'	0'	3	0,	<del>                                     </del>	ISIP=		0.763		Max STP:		3,85				F					
-		6,068	3	<b>├</b>	8/6/2012	Formation:		CP-4	CP-5				fluid is 7% KC	1	11			5-1/2"Shoe @ 6,430			
	6,067' 6,073'	6,068	3	3'	8/6/2012 8/6/2012	20/40 White	:	63,419		15% HCI:			2 gals		l L			PBTD @ 6,383			
	6,199	6,200'	3	3'	8/6/2012	Pad:		3,944		Treating Fl	uid:		3 gals		1.4			TVD @ 6,298'			
	6,206'	6,208	3	6'	8/6/2012	Flush:		5,935		Load to Re			4 gais		4		iiiii	BHST = 190°F			
	0'	0'	3	0'	-	ISIP=			psi/ft	Max STP:		3,81	9 psi		-						
					'	o Close "C" +	2% KCI + 0.3	5#/sk Cello F	lake at 15.8 r	ong w/ 1 17 vi	old and return	ad Abble to t	he nit								
	Surf	On 7/11/12 I	∃aker cement	ed o 5/6 Cas	ang wa 160 sk	S Class G +				γρ <del>υμ</del> γι. ιτ. γι	eiu allu tetuti	יטו פועער עס	ne pit.								



GMBU M-6-9-16 Monument Butte - Duchesne County, Utah, USA

Surface Location: NW/SE Sec 6, T9S, R16E; 1832' FSL & 1853' FEL

	1111			-						5871' G	L 10 KB							DLB 10/3
119'-117				A section					API#: 4	3-013-51115	Lease#: UT	U-74390					Spud [	Date: 7/3/12; PoP Date: 8/
ויי נ	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal∕ft	Coupling	Hol	,	TT		77	
DETAIL	Surf	10.00	330'	8.625"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.2	0				
ه د	Prod	10.00	6,459'	5,5"	15,5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.87	5	]		Ш	
il.	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID		Packer/Hang	ger	\	1		N	
DETAIL	10.00	5,962'	8EUE	2-7/8"	6.5#	J-55	2.347*	7,260	7,680	2.441"	Tubing And	nor Set @	5,863'		1   1			8-5/8"Shoe @ 330"
_		Component		7	D-44	Size	Grade	1 4 11	Count		D	ump						
_		Component		Тор	Bottom			Length	1	Insert Puron		x 1 75 Plunge	r RHAC	-				
TAI	Polish Rod Pony Rod			30,	30' 84'	1 1/2" 7/8"	Spray Metal Tenaris D78	30' 54'	3	macit ump	Z O INIGA IO	C i ro i lange					1	
ROD DETAIL	4per Guided	Rod		84'	1,784'	7/8"	Tenaris D78	1,700'	68									
8	4per Guided			1,784	5,234'	3/4"	Tenaris D78	3,450	138									
	4per Guided	Rod		5,234	5,934'	7/8"	Tenaris 078	700'	28	5934 Centra	il Hydraulic w	/ SM plunger						
tage	Тор	Bottom	SPF	Gun Size	Date				Frac S	ımmery								
7	4,526'	4,527	3	1'	7/30/2012	Formation:		GB-6					CL 7%					
	4,529'	4,530'	3	1'	7/30/2012	20/40 White	:	35,706		15% HCL:			0 gais	1				
	4,532'	4,533'	3	1'	7/30/2012	Pad:		2,730		Treating Flu			4 gals					
				L	ļ	Flush:		4,523		Total Load 1 Max STP:	o Rec:		7 gals					
						ISIP=			psi/ft	mdX SIP:		3,650		_				
6	4,993'	4,994'	3	1'	170012012	Formation:		D-2	D-1	459/ 1101 -			L 7%	1				
	4,999'	5,000'	3	1'	7/30/2012	20/40 White Pad:	1:	61,450 3,238		15% HCL: Treating Flu	id.		0 gals 5 gals					
	5,035' 5,040'	5,036' 5,042'	3	1' 2'	7/30/2012 7/30/2012	Flush:		4,490	_	Total Load		22,32						
	5,040	5,042		2	7/30/2012	ISIP=			psi/ft	Max STP:		3,623						
5	5,098'	5,099	3	1'	7/30/2012	Formation:		D-3	·				L 7%			1		
5	5,103'	5,104	3	1'	7/30/2012	20/40 White		49,499	Ibs	15% HCL:			0 gals	1				
	5,107	5,108	3	1'	7/30/2012	Pad:		2,671		Treating Flu	id:	12,32		i				
1	5, 111'	5,112	3	1'	7/30/2012	Flush:		4,595	gals	Total Load t	o Rec:	20,087	7 gals	1				
						ISIP=		1.023	psi/ft	Max STP:		3,387	7 psi					
4	5,163	5,164*	3	1'	7/30/2012	Formation:		8-Half	C-Sand			KC	L 7%	_1				
	5,167	5,168'	3	1'	7/30/2012	20/40 White	:	29,943		15% HCL:			) gals	ľ				
	5,226	5,228'	3	2'	7/30/2012	Pad:		2,969		Treating Flu			3 gals	l				
						Flush:		4,662		Total Load t	o Rec:	15,514						
	A					ISIP=			psi/ft	Max STP:		3,664		_				
3	5,401	5,403'	3	2'		Formation:		A-1	iho	15% HCL:			L 7%	ŀ				
	5,409	5,410' 5,418'	3	1' 1'	7/30/2012 7/30/2012	20/40 White Pad:		40,032 3,247		Treating Flu	id:		0 gals 3 gals	Į.				
	5,417'	5,418	3	1	//30/2012	Flush:		4,901		Total Load t		18,38		İ				
						ISIP=		0,797		Max STP:		3,500				1		
2	5,592'	5,593'	3	1'	7/30/2012	Formation:		LODC					L 7%	7				
•	5,596'	5,597	3	1'	7/30/2012	20/40 White		56,063	lbs	15% HCL:		500	) gals	ı				
	5,601	5,602'	3	1'	7/30/2012	Pad:		2,948		Treating Flu	id:	12,812				1		
	5,609	5,610'	3	1'	7/30/2012	Flush:		5,090	gals	Total Load t	o Rec:	21,350	) gals	Ī				
						ISIP=		1.048	psi/ft	Max STP:		3,324	4 psi			8		
1	5,898	5,901'	3	3'	7/27/2012	Formation:		CP Half					L 7%	1			Ш	
						20/40 White	4	14,227		15% HCL.:			2 gals		1   1	U .		5-1/2"Shoe @ 6459"
						Pad:		4,368	-	Treating Flu			3 gals					TVD @ 6315'
						Flush: ISIP=		5,397		Total Load t Max STP:	o Kec:	14,089 4,033						BHST = 190°F
_							-	0.758		_								<del></del>
CEMENT	Surf	On 7/5/2012	Baker cemer	ited 8 5/8" ca	sing w/ 160 sl	ks Class "G"	+ 2% KCI + 0 2	25#/sk Cello	Flake at 15 8	ppg w/ 1 17 y	ield and retur	ned 4 bbls to	the pit					
= (																		



6 138

6,144

6,156

Surf

Prod

CEMENT

6.139

6,157

3

3

1'

1'

7/27/2012

7/27/2012

7/27/2012

Pad:

Flush:

#### GMBU R-6-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Location: NW/SE Sec 6, T9S, R16E; 1811' FSL & 1857 FEL

5871' GL + 10 KB

Mickey Moulto

TVD @ 6303'

BHST = 190°F

Spud Date: 7/3/12; PoP Date: 8/9/12 API#: 43-013-51117; Lease#: UTU-74390 Hole Collapse Coupling Casino Top Bottom Size Wt Grade Drift Burst ID gal/ft CASING 12.250 7.972" 2,950 1,370 Surf 8.625 24# J-55 330 7.875 15.5# 4.825 4,810 4,040 4.950" Prod 10' 6,386 5.5 J-55 Packer/Hanger Тор Botton Size Wt. Grade Drift Ruret Collapse ID TBG. DETAIL 8-5/8"Shoe @ 330" Tubing Anchor Set @ J-55 2.347" 2.441" 10' 6,233 8EUE 2-7/8" 6.5# 7,260 7.680 Pump Component Botton Size Length Count Тор nsert Pump: 2.5 Max ID x 1,75 Plunger RHAC @ 30, 1 1/2" Spry Meta 30, 1 2 171 30' 7/8" Tenaris D7 Pony Rod 46' 2,000 80 4per Guided Rod 2.046 7/8" Tenaris D78 4per Guided Rod 2,046 5,471 3/4" Tenaris D78 3,425 137 per Guided Rod 5,471 5,996' Tenaris D78 525' 21 5,996 6,171 7/8" Tenaris D78 175' Frac Summary Stage Тор Bottom SPF Gun Size Date KCL 7% 4,916 7/31/2012 4,913 5,929 lbs 20/40 White: 15% HCL: 0 gals Treating Fluid: 3,171 gals Pad: 2,289 gals Total Load to Rec: Flush: 4,910 gals 10,370 gals ISIP: 0.846 psi/ft Mex STP: 3,560 psi KCL 7% Formation: C Sand 5,072 7/31/2012 5,071 58,952 lbs 20/40 White: 15% HCL: 500 gals 5.076 5.077 7/31/2012 Treating Fluid: 13,203 gals 7/31/2012 Pad: 3,011 gals 5,082 5.083 3 1' Total Load to Rec: 21,283 gals 5,089 5,090 3 7/31/2012 Flush: 4.570 gals ISIP= 0.993 psi/ft Max STP: 3,728 psi 5,099' 5,100 1' 7/31/2012 7/31/2012 Formation: KCL 7% B-2 B-1 B-Half 5,138 5,139 20/40 White: 29,461 lbs 15% HCI : 500 gals 5,171 5,170 7/31/2012 7,108 gals Treating Fluid: 3,242 gals 5 177' 5.178 3 11 7/31/2012 Total Load to Rec: 15,487 gals 5,208 5.211 3 7/31/2012 Flush: 4,637 gals Max STP: ISIP= 0.856 psi/ft 3.848 psi KCL 7% Formation: A-1 5,325 7/31/2012 5,324 20/40 White: 38.844 lbs 15% HCL: 500 gals 3 7/31/2012 1' 5.329 5.330 Treating Fluid: 10,490 gals 2,780 gals 5 443 5,444' 1' 7/31/2012 Total Load to Rec: 18,591 gals 5,452 5,454' 3 2' 7/31/2012 Flush: 4.822 gals Max STP: SIP= 0.838 psi/ft 3.866 psi KCL 7% 5,572 Formation: LODG 7/31/2012 20/40 White: 138,722 lbs 15% HCL: 500 gals 5,585 5,586 0, 7/31/2012 32,000 gals Treating Fluid: 3,360 gals 5.595 5.596 3 1' 7/31/2012 Total Load to Rec: 40,929 gals 5,613 5,614 3 7/31/2012 Flush: 5,069 gals 5,632 JSIP= 0.895 psi/ft Max STP: 4 009 psi 5,631 7/31/2012 5.641 5,642 3 7/31/2012 Formation: CP-3 CP-2 CP-Half KCL 7% 5,828 7/31/2012 2 5.827 20/40 White: 15% HCL: 500 gals 34,667 lbs 5.884 5.886 7/31/2012 Treating Fluid: 8,859 gals 6,012 6,015 3 3' 7/31/2012 Pad: 4,133 gals flush: 5,326 gals Total Load to Rec: 18,817 gals ISIP= 0.711 psi/ft Max STP: 3,710 psi Ħ formation: CP-5 CP-4 KCL 7% 7/27/2012 6.085 6,087 20/40 White: 15% HCL: 752 gals 5-1/2"Shoe @ 6386"

53,849 lbs

4,502 gals

5,582 gals

On 7/5/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0 25#/sk Cello Flake at 15 8 ppg w/ 1 17 yield and returned 4 bbis to the pit

On 7/13/12 Baker pumped 250 sks lead @ 11 ppg w/ 3.53 yield plus 460 sks tail @ 14.4 ppg w/ 1.24 yield Returned 20bbls to the pit TOC @ Surface

Treating Fluid:

Max STP

Total Load to Rec:

12,708 gais

23,544 gals

#### **Multi-Chem Analytical Laboratory**

1553 East Highway 40 Vernal, UT 84078





#### Water Analysis Report

**NEWFIELD PRODUCTION Production Company:** 

Well Name:

JIF

Sample Point: After production filter

Sample Date: Sample ID:

12/9/2011 WA-204152 Sales Rep: Darren Betts Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Specif	fics	Analysis @ Properties in Sample Specifics									
Test Date:	12/9/2011	Cations	mg/L	Anions	mg/L						
System Temperature 1 (°F):	300.00	Sodium (Na):	7647.40	Chloride (CI):	11000.00						
System Pressure 1 (psig):	3000.00	Potassium (K):	33.40	Sulfate (SO <sub>4</sub> ):	190.00						
System Temperature 2 (°F):	70.00	Magnesium (Mg):	9.00	Bicarbonate (HCO <sub>3</sub> ):	1390.80						
System Pressure 2 (psig):	14.70	Calcium (Ca):	45.00	Carbonate (CO <sub>3</sub> ):	0.00						
Calculated Density (g/ml):	1.01	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00						
pH:	8.40	Barium (Ba):	9.80	Propionic Acid (C2H5COO)	0.00						
Calculated TDS (mg/L):	20336.89	Iron (Fe):	10.50	Butanoic Acid (C3H7COO)	0.00						
CO2 in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00						
Dissolved CO <sub>2</sub> (mg/L)):	0.00	Lead (Pb):	0.71	Fluoride (F):	0.00						
H <sub>2</sub> S in Gas (%):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00						
H2S in Water (mg/L):	0.50	Manganese (Mn):	0.28	Silica (SiO2):	0.00						

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	PTB
70	14	1.21	31.74	1.73	5.72	2.86	0.45	2.34	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	1.24	31.98	1.49	5.64	2.63	0.45	2.46	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	1.28	32.90	1.30	5.53	2.48	0.45	2.57	7.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	1.34	33.89	1.15	5.42	2.39	0.45	2.67	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	1.41	34.90	1.04	5.29	2.34	0.45	2.77	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	1.48	35.84	0.97	5.19	2.32	0.45	2.85	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.57	36.67	0.91	5.10	2.34	0.45	2.92	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.66	37.35	0.88	5.05	2.38	0.45	2.97	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.76	37.89	0.87	5.02	2.44	0.45	3.01	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.85	38.30	0.87	5.03	2.51	0.45	3.03	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			hydrate 4~0.5H2 O		ydrate ISO4		lcium oride		inc oonate		ead Ilfide		Vlg icate		a Mg icate		Fe icate
Temp (°F)	PSI	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.33	0.29	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	0.29	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.15	0.29	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.81	0.29	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide

Multi-Chem - A Halliburton Service

Ethics

Commitment

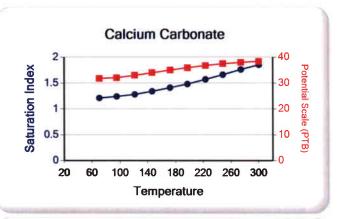
#### **Multi-Chem Analytical Laboratory**

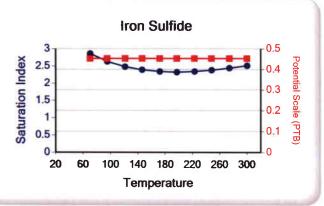
1553 East Highway 40

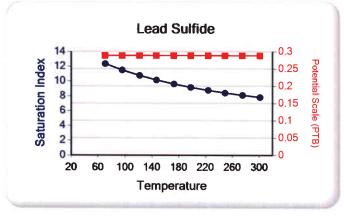
Vernal, UT 84078

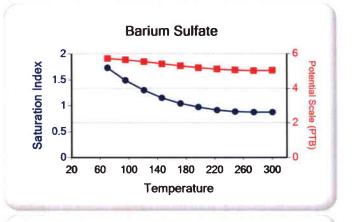


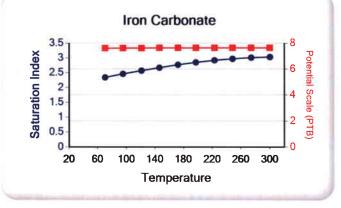
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Banum Sulfate Iron Sulfide Iron Carbonate Lead Sulfide











Ethics

#### **Multi-Chem Analytical Laboratory**

1553 East Highway 40 Vernal, UT 84078

# ATTACHMENT F

multi-chem A HALLIBURTON SERVICE

3084

Units of Measurement: Standard

Water Analysis Report

**NEWFIELD PRODUCTION Production Company:** 

Well Name:

W POINT 12-5-9-16

Sample Point: Sample Date:

Treater 5/20/2012

Sample ID:

WA-214862

Sales Rep: Michael McBride Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Specif	īcs	Analysis @ Properties in Sample Specifics						
Test Date:	5/29/2012	Cations	mg/L	Anions	mg/L			
System Temperature 1 (°F):	120.00	Sodium (Na):	2421.74	Chloride (CI):	3100.00			
System Pressure 1 (psig):	60.0000	Potassium (K):	45.60	Sulfate (SO4):	28.00			
System Temperature 2 (°F):	185.00	Magnesium (Mg):	3.90	Bicarbonate (HCO3):	1220.00			
System Pressure 2 (psig):	60.0000	Calcium (Ca):	20.30	Carbonate (CO3):	0.00			
Calculated Density (g/ml):	1.002	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00			
pH:	7.60	Barium (Ba):	11.90	Propionic Acid (C2H5COO)	0.00			
Calculated TDS (mg/L):	6851.63	Iron (Fe):	0.05	Butanoic Acid (C3H7COO)	0.00			
CO2 in Gas (%):	0.00	Zinc (Zn):	0.01	Isobutyric Acid ((CH3)2CHCOO)	0.00			
Dissolved CO <sub>2</sub> (mg/L)):	0.00	Lead (Pb):	0.11	Fluoride (F):				
H <sub>2</sub> S in Gas (%):	0.00	Ammonia NH3:		Bromine (Br):				
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.02	Silica (SiO2):				
Notes:								

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4-2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ	SI	PTB	SI	PTB
185.00	60.00	0.84	14.03	0.79	5.60	0.00	0.00	0.32	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	0.79	13.57	0.81	5.65	0.00	0.00	0.26	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.73	13.06	0.83	5.70	0.00	0.00	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	0.68	12.52	0.85	5.77	0.00	0.00	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	0.63	11.93	0.87	5.83	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.58	11.31	0.90	5.90	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	60.00	0.53	10.66	0.93	5.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.00	60.00	0.49	9.97	0.96	6.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	60.00	0.44	9.25	1.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.40	8.52	1.04	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2 O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ
185.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

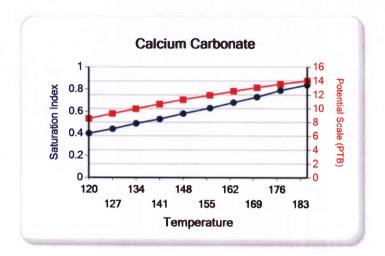
1553 East Highway 40 Vernal, UT 84078

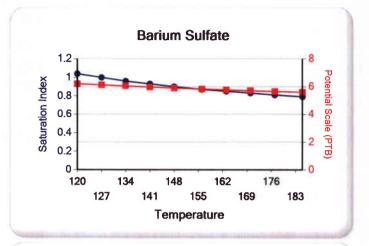
# ATTACHMENT P

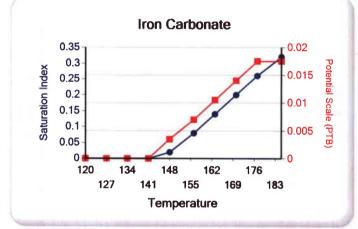


These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate







### **Attachment "G"**

# West Point #12-5-9-16 Proposed Maximum Injection Pressure

	nterval eet)	Avg. Depth	ISIP	Calculated Frac Gradient	
Top	Bottom	(feet)	(psi)	(psi/ft)	Pmax
5390	5570	5480	2750	0.94	2715
5112	5243	5178	2120	0.85	2087 ◀──
4882	4988	4935	2135	0.87	2103
				Minimum	2087

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## ATTACHMENT G~ 1

10f8

## DAILY COMPLETION REPORT -5-9-16 Report Date: 1/23/01 Day: 01

WELL N	IAME:	West	Point	12-5-9-16		Repoi	t Date:	•	1/23/01			Day:	01
Ope	ration:	New C	ompl	etion					Rig:	KES	#965		
					W	ELL STAT	US						
Surf Csg:	8 5/8	@ 303.02	?			Csg: 5 1/2		@	5990.89	Csg	PBTD:	598	30
Tbg:	Size:	2 7/8	Wt:	6.5#	Grd:	J-55	Pkr/ <u>EOT</u>	<u>@</u> :	0	BP/Sand			
					DEDEO	RATION F	PECORD						
Zone		<u>Perfs</u>			#shots	IXATION :	Zone			Perfs		SPF/#s	shots
<u> </u>		10110		<u> </u>	<del>oo.to</del>		20110			<u> </u>		<u> </u>	<del></del>
		····		<del>,</del>						······································			
											<b></b>		
												·	
	***										ни		
	·			CHR	ONOL	OGICAL O	PERATIO	<u>NS</u>					
Date Work	(Perfo	rmed:	22-	Jan-01					SITP:	***************************************	SICP:	0	
	drift, Pl	Install 5M fra J & TIH W/ 4											
Fluid lost <u>/r</u> Ending flui	ecovere d to be			0 3.1 -3.1 FTP:	- (	RECOVER' Starting oil Oil lost/reco	rec to date overed tod overed:	ay:		0	- - Final (	oil cut:	 D
**************************************		CTIMI				·	***************************************			COST	-		
Base Fluid	uaadı	•		ON DETAI Job Type:						<u>COST</u> KES rig			
Company:	useu	······································		Job Type.	***************************************					BOP	- ,		
									IDC				
Procedure	or Equi	oment detail:							IPU	supervision	-	***************************************	
***************************************		·····		·····						Trucking	<b></b> ,		
100000000000000000000000000000000000000				***************************************						***************************************			
E													
***************************************		······································		······	······································		•	•				***************************************	***************************************
***************************************								,				·····	
							***************************************		**************************************	hv			
May TD	····	May Data:	<del></del>	T-1-1	لمازراک	and:			······································	Drilling cost	<u>.</u> .	····	
Max TP:		Max Rate: _ Avg Rate:				npd:			70	Drilling cost			
		Avg Rate: 5 min:		10 tai 10 min:		***************************************			DAILY C				\$0
		upervisor:		at Wisene	***************************************	10 111111				ELL COST:			Ψυ
Southic		4POI 1 13OI	1" (	at 11130110	•				. O . AL WI				



Report Date: 1/24/01

## ATTACHMENT G-1 208

Day: 02

#### DAILY COMPLETION REPORT

West Point 12-5-9-16

**WELL NAME:** 

Operation: New Completion	Rig: _	KES #965	
WELL STATUS			
	5990.89	Csg PBTD:	5980
Tbg: Size: <u>2 7/8</u> Wt: <u>6.5#</u> Grd: <u>J-55</u> Pkr/ <u>EOT</u> @:	5302'	BP/Sand PBTD:	5980'
PERFORATION RECORD			
Zone Perfs SPF/#shots Zone	<u> </u>	<u>Perfs</u>	SPF/#shots
LDC5 sds 5390-5395' 4/20			
LDC4 sds 5451-5457' 4/24			
LDC3 sds 5479-5484' 4/20			·····
LDC2 sds 5511-5523' 4/48 LDC1 sds 5551-5570' 4/76			····
CHRONOLOGICAL OPERATIONS			
Date Work Performed: 23-Jan-01	SITP:	SICP:	0
Con't PLL& TIH W/ bit losg scraper & 2.7/8 8rd 6.5# J-55 thg. Ran 187 its total. The	displaced total	of 14 BW on TIH.	Tag PBTD @
5980'. TOH W/ tbg & tools. RU Schlumberger and perf LDC1 sds @ 5551-70'; LDC2 sds @ 5451-57' & LDC5 sds @ 5390-95'. All 4 JSPF. 3 runs total. RD WLT. TIH W/ 5	sds @ 5511-2	3'; LDC3 sds @ 5	179-84'; LDC4
the Isolate LDC1 perfs (5551-70'). Breakdn perfs @ 3000 psi. Establish Incrate of 2	.3 BPM @ 180	IU psi. Move toois	. Isolate LDC2
nerfs (5511-23'). Upon breakdown of 1700 psi, zone communicated up to next set. M	Nove pkr to 54	72'. Pump into pe	rts 54/9-84′ 8
5511-23' @ 3.0 BPM @ 1700 psi. Move tools & isolate LDC4 perfs (5451-57'). Break BPM @ 2000 psi. Breakdown LDC5 perfs (5390-95') dn csg @ 2500 psi. Establish	inj. rate of 1.4	BPM @ 1900 ps	ii. Used 5 BW
BPM @ 2000 psi. Breakdown LDC5 perfs (5390-95') dn csg @ 2500 psi. Establish total. Release pkr, retrieve RBP. Pull EOT to 5302'. RU swab equip. Made 7 runs rec	89 BW. FFL @	3200'. ŠIFN W/e	st 64 BWTR.
FLUID RECOVERY (BBLS)		_	
Starting fluid load to be recovered: 142 Starting oil rec to date:	0		
Fluid lost/recovered today: 78 Oil lost/recovered today:			
Ending fluid to be recovered: 64 Cum oil recovered:	0		
IFL: sfc FFL: 3200' FTP: Choke: Final	Fluid Rate: _	Final (	oil cut: <u>0</u>
STIMULATION DETAIL		COSTS	
Base Fluid used: Job Type:	g	KES rig	
Company:		BOP	
Procedure or Equipment detail:		Tbg	***************************************
		Tbg head	***************************************
	СВ	L & HO trk	
	Tre	eat-O-Clay	
	Weatherford	-tools/serv	
	Wa	ter & truck	
	Location p	reparation	
	**************************************	Trucking	
	Schlumberg		
Max TP: Max Rate: Total fluid pmpd:	·····	upervision	
Avg TP: Avg Rate: Total Prop pmpd:			
ISIP: 5 min: 10 min: 15 min:	DAILY CO	OST:	\$0
Completion Supervisor: Gary Dietz	TOTAL WE	LL COST:	



3.

## ATTACHMENT G-(

DAILY COST:

TOTAL WELL COST:

\$0

30f8

### DAILY COMPLETION REPORT

WELL I	NAME:	,	West	Point	12-5-9-16		Re	ort Date	•	1/25/01	••••		Day:	03
Оре	eration		New (	Comp	letion					Rig:	KE	S #965		
						W	ELL ST	ATUS	_					
Surf Csg:	8 5/8	@	303.0	2		Prod	Csg: <u>5</u>	1/2" 15.5	<u>#</u> @	<u>5990.</u> 89	_	PBTD:	59	
Tbg:	Size:	2	7/8	Wt:	6.5#	Grd:	J-55	Pkr/ <u>E</u>	<u>:OT @</u>	: 0	BP/Sand	PBTD:	534	40'
					ı	PERFO	RATIO	N RECOR	RD					
Zone			<u>Perfs</u>		_	shots			one		<u>Perfs</u>		SPF/#	shots
B2 sds		5112	-5136'		4/96			***************************************	5 sds		-5395'		4/20	
A .5 sds		5226	-5243'		4/68				4 sds		-5457'		4/24	
***************************************	·····	~~~~	······································					***************************************	3 sds		-5484'		4/20	
······································	_	×			<del></del>				2 sds 1 sds		-5523' -5570'		4/48 4/76	
	<del></del>										-5570		7/10	
						ONOL	OGICAL	OPERA	TIONS			0105		
Date Wor					-Jan-01	•				: <b>SITP</b> # 20/40 san		SICP:		
2000 psi. I	Perf A .	5 sds	s @ 522	26-43'	& B2 sds (	<b>5</b> 112	-36' w/ 4	l jspf. 3 ru	ins tot	tal. RD WLT	. SIFN W/ €	est 1176	6 BWT	'R.
					_			RY (BBL			^			
Starting flu					64 1112	•	_	oil rec to ecovered			0	ngayAjaab		
Fluid <u>lost/</u> I Ending flu					1176	w		recovered	-	•	0	*****		
IFL:		FFL	-		FTP:	-	hoke:	12/64		al Fluid Rate		Final	oil cut:	
			STIM	ULATI	ON DETAI	<u>L</u>					cos	TS		<del></del>
Base Fluid	l used:	V	iking I-	25	Job Type:		Sand f	rac			KES ri	<u>g</u>		
Company:		BJ S	ervices	·							BOI	<u>P</u>		
Procedure	or Equ	ipme	nt detail	l:						BJ Service	esLDC sd	<u>s</u>		
1500	00 gals	of p	ad								Frac wate	er		
120	00 gals	1-5	opg of	20/40	sand					Fuel gas	(+/- 96 mc	<u>f)</u>		
2200	00 gals	W/ 5	-8 ppg	of 20	/40 sand					Schlumber	ger-A/B sd	s		
340	1 gals \	N/ 8	ppg of	20/40	sand						RBP renta	al		
Eluc				20/70	Juliu				NAME.		TOT TOTAL	<del></del>		
rius	sh W/ 5	355 დ	jals of		·····					IPC	Supervisio			

 Max TP: 3200
 Max Rate:
 37 BPM
 Total fluid pmpd:
 1375 bbls

 Avg TP: 2700
 Avg Rate:
 36.5 BPM
 Total Prop pmpd:
 213,180#

 ISIP: 2750
 5 min:
 10 min:
 15 min:

Completion Supervisor: Gary Dietz





## ATTACHMENT G-1

40f8

#### DAILY COMPLETION REPORT

WELL N	<u>IAME:</u>		West	Point	12-5-9-1	6	Report	Date:		1/26/01	•••		Day:	04
Ope	ration		New C	ompl	etion		-			Rig:	KES	\$ #965		
						N	VELL STATU	JS_					-"	
Surf Csg:	8 5/8	@	303.02	2		Proc	d Csg: <b>5 1/2'</b>	15.5#	@	5990.89	Csg	PBTD:	59	80
Tbg:	Size:	2	7/8	Wt:	6.5#	Grd:	J-55	Pkr/EO	<u>T@</u> :	0	BP/Sand	PBTD:	534	40'
•		***************************************						_			BP/Sand	PBTD:	50	50'
						PERF	ORATION R	ECORD	1					
Zone			Perfs		SPF	/#shots		Zon	<u>e</u>		<u>Perfs</u>		SPF/#	shots
D2 sds		4882	2-4890'		4/32	2		LDC5	sds	5390	-5395'		4/20	
C sds		4978	-4988'		4/40	)	•	LDC4	sds	5451	-5457'		4/24	
B2 sds		5112	2-5136'		4/96	<b>S</b>	-	LDC3	sds	5479	-5484'		4/20	
A .5 sds		5226	-5243'		4/68	3	**	LDC2	sds	5511	-5523'		4/48	
			***************************************				**	LDC1	sds	5551	-5570'		4/76	
					СН	RONOL	OGICAL OF	PERATI	ONS	****				
Date Work	k Perfo	rmed	d:	25-	Jan-01					SITP		SICP:		)
Establish in	i. Rate	of 4.4	BPM @	950 p	si. Breakd	n B2 pe	TIH. Set pkr ( erfs (5112-36') Services and fr	dn csg	@ 32	00 psi. Estal	olish inj. Rate	e of 3.5	BPM @	D 100

TIH W/ 5 1/2" HD pkr & tbg. Tbg displaced 12 BW on TIH. Set pkr @ 5176'. Breakdn A .5 perfs (5226-43') dn tbg @ 1800 psi Establish inj. Rate of 4.4 BPM @ 950 psi. Breakdn B2 perfs (5112-36') dn csg @ 3200 psi. Establish inj. Rate of 3.5 BPM @ 1000 psi. Used 2 BW. Release pkr. TOH W/ tbg & pkr. RU BJ Services and frac A/B sds W/ 227,120# 20/40 sand in 1452 bbls Viking I-25 fluid. Treated @ ave press of 1800 psi W/ ave rate of 31.2 BPM. ISIP-2120 psi. RD BJ. Begin immediate flowback of A/B frac or 12/64 choke @ 1 BPM. Zone flowed 5 3/4 hrs & died. Rec 274 BTF (est 19% of frac load). RU Schlumberger and run 5 1/2" HE RBF & 4" perf guns. Set plug @ 5050'. Press test plug to 2000 psi. Perf C sd @ 4978-88' & D2 sds @ 4882-90'. All 4 JSPF. 2 runs total RD WLT. SIFN W/ est 2344 BWTR.

	FLU	JID RECOVE	RY (BBL	S)		
Starting fluid load to be recovered:	1176		oil rec to d		0	-
Fluid <u>lost/</u> recovered today:	1168	Oil lost/r	ecovered t	oday: j	0	
Ending fluid to be recovered:	2344	Cum oil	recovered:		0	×
IFL: FFL:	FTP:	Choke:	12/64	Final	Fluid Rate:	Final oil cut:
STIMULA	TION DETAIL				COST	S
Base Fluid used: Viking I-25	Job Type:	Sand f	rac		KES rig	
Company: BJ Services					ВОР	_
Procedure or Equipment detail:	_ <u>A</u>	/B sands			BJ ServicesA/B sds	
16000 gals of pad					Frac water	
15500 gals W/ 1-5 ppg of 2	0/40 sand				Fuel gas (+/- 96 mcf)	***************************************
22000 gals W/ 5-8 ppg of 2	0/40 sand				Schlumberger-C/D sd	
2442 gals W/ 8 ppg of 20/4	0 sand				RBP rental	
Flush W/ 5040 gals of slick	water				IPC Supervision	
						EX.
Max TP: 2350 Max Rate: 31.6	BPM Total flu	uid pmpd: 1	452 bbls			•
Avg TP: 1800 Avg Rate: 31.2	BPM_Total P	rop pmpd:2	227,120#			*
ISIP: 2120 5 min:	10 min:	15 r	nin:		DAILY COST:	9
Completion Supervisor:	Gary Dietz				<b>TOTAL WELL COST:</b>	



Report Date:

1/27/01

Rig:

# ATTACHMENT G-1 5 of 8

**KES #965** 

Day: 05

#### DAILY COMPLETION REPORT

West Point 12-5-9-16

**WELL NAME:** 

Ope	ration:	New Comp	letion				Rig:	KES #9	65
				WELL S	TATUS			ALF WAY	
Surf Csg:	8 5/8 @	303.02		Prod Csg: 5		# @	5990.89	Csg PBT	D: 5980
Tbg:	Size:	2 7/8 Wt:	6.5#	Grd:		<u>EOT</u> @:	···········	<u>BP/</u> Sand PBT	······································
			_		p=005				
-		D		ERFORATIO			Da	fo	SDE/#abata
Zone D2 sds	10	<u>Perfs</u> 82-4890'	<u>SPF/#s</u> 4/32	snots	_	<u>one</u> 5 sds	5390-53	e <u>rfs</u> 95'	SPF/#shots 4/20
C sds		78-4988'	4/40			4 sds	5451-54		4/24
B2 sds		12-5136'	4/96	ottobecccooksistesistesistesistäte	***************************************	3 sds	5479-54		4/20
A .5 sds		26-5243'	4/68			2 sds	5511-55	23'	4/48
					LDC	1 sds	5551-55	70'	4/76
	····	<u>,,</u>	CHRC	NOLOGICA	L OPERA	TIONS			
Date Worl	k Perform	ed: 26	-Jan-01				SITP:	SIC	P:0
of 4.7 BPN 577 bbls v immediate load). TIH	M @ 1650 Viking I-25 flowback W/ RH &	psi. Lost 2 BV fluid. Treated of D/C frac on	V. TOH W/ t I @ ave pre 12/64 choke aced 12 BW	bg & pkr. Rl ss of 1800 @ 1 BPM. 2	U BJ Servi psi W/ ave Zone flowe	ces and rate of d 3 1/2	d frac D/C sds of 30 BPM. IS hrs & died. Re	i W/ 83,000≢ IP-2135 psi. ec 161 BTF (	stablish inj. rate 20/40 sand ir RD BJ. Begir est 28% of frac ease plug. Pul
			FL	UID RECOV	/ERY (BBI	_S)	_		
Starting flu	iid load to	be recovered:	2344		g oil rec to		0		
Fluid <u>lost/</u> r	ecovered t	oday:	395	Oil lost	t/recovered	today:	0		
Ending flui		······································	2739		il recovered		0		
IFL:	FF	'L:	FTP:	Choke: _	12/64	Final	I Fluid Rate:	Fin	al oil cut:
		STIMULAT	ION DETAIL	<u></u>				COSTS	
Base Fluid	used:	Viking I-25	Job Type:	Sand	frac			KES rig	
Company:	BJ	Services						BOP	
Procedure	or Equipm	ent detail:		C/D sands			BJ Services-	-C/D sds	
6000	gals of p	ad					Fr	ac water	
3500	) gals W/ '	1-5 ppg of 20/	40 sand			****	Fuel gas (+/-	- 40 mcf)	
	<del></del>	5-8 ppg of 20/	***************************************			nesel.	Frac tks (6 )	< 5 days)	
		3 ppg of 20/40					Frac he	ad rental	
·		gals of slick		······································	***************************************			ervision	
		<u> </u>		······································	***************************************	<b>,,,,,</b>	·····		
			• • • •			••••			
400,000,000									
	: <u>2353</u> Ma	***************************************		luid pmpd: _	577 bbls	••••			
_	: 1800 A		BPM_ Total F		83,000#				-
	: <u>2135</u>	5 min:	10 min: _	15	min:	·····	DAILY COS		\$0
Compl	etion Sup	ervisor:	Gary Dietz				TOTAL WEL	L COST:	



# ATTACHMENT G-1 RESOURCES INC. GTION REPORT

#### DAILY COMPLETION REPORT

WELL I	NAME:	West Point	12-5-9-16	Repor	rt Date:	1/28/01	i	Day:06
Оре	ration:	New Comp	letion			Rig:	KES #9	65
		- · · · · · · · · · · · · · · · · · · ·		WELL STAT				
Surf Csg:	8 5/8	@ 303.02		Prod Csg: 5 1/2		5990.89	Csg PB	rD: <b>5980</b>
Tbg:	Size:	2 7/8 Wt:	6.5#	Grd: J-55	Pkr/EOT @:	AND THE PERSON NAMED IN COLUMN 1	BP/Sand PB	·
·	_			<u> </u>	<del></del>		•	
			_	ERFORATION F	RECORD			
<u>Zone</u>		<u>Perfs</u>	SPF/#s	shots	Zone		Perfs	SPF/#shot
D2 sds		1882-4890'	4/32	NAME AND SOUTH OF THE SOUTH OF	LDC5 sds		-5395'	4/20
C sds		1978-4988'	4/40	***************************************	LDC4 sds		-5457'	4/24
B2 sds A .5 sds		5112-5136' 5226-5243'	4/96 4/68		LDC3 sds LDC2 sds	· · · · · · · · · · · · · · · · · · ·	-5484' -5523'	4/20 4/48
A .5 SUS		)220-3243	4/00		LDC2 sus		·5570'	4/76
				NOLOGICAL O	PERATIONS			
Date Wor	k Perfor	med: <u>27</u> -	-Jan-01			SITP:	SIC	P: 0
BW. FFL ( Starting fluid lost <u>/r</u> Ending flui	aid load trecovered to be r	ecovered:	BWTR.  2739  16  2723	.UID RECOVER Starting oil	Y (BBLS) rec to date: overed today: covered:		) )	
IFL:	sfc	FFL: 700'	FTP:	Choke:	Fina	l Fluid Rate:	Fir	nal oil cut: 0
		STIMULATI	ON DETAIL	•			COSTS	
Base Fluid	used:		Job Type:				KES rig	
Company:	*****						ВОР	
Procedure	or Equip	ment detail:				1	Water truck	
						Exc	HO trk	***************************************
***************************************	······································			······································		IDC (		***************************************
***************************************	***************************************					IPU :	Supervision	
***************************************						<del></del>		·
***************************************	···········		······································			······		
***************************************						X		
9200	3.335				***************************************	***************************************		
		May Pata:	Total 6	luid nmad:	-A+		***************************************	***************************************
	•	Max Rate:		***************************************		<u> </u>		***************************************
		Avg Rate:				DAILY C	OST:	\$(
	:	***************************************	10 min:_	15 min	J a			
Compl	etion Su	pervisor: (	Gary Dietz			TOTAL WE	ELL COST:	



Report Date:

1/30/01

## ATTACHMENT G-1

chOb.

33.03

WELL NAME: West Point 12-5-9-16

#### **DAILY COMPLETION REPORT**

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	$\rightarrow$ ( $\alpha$	
	1DY D	
11, 100 p.T		
er a rate	<i>t</i> ,	

Day: 7

Ope	ration	: New	Comple	etion		·		Rig:	KES	3 #965	
	•			-	W	ELL STAT	US				
Surf Csg:	8 5/8		2		Prod	Csg: <u>5 1/2</u>		<u>5990.</u> 89	_	PBTD:	5980
Tbg:	Size:	2 7/8	Wt:	6.5#	_Grd: _	J-55	Pkr/ <u>EOT @</u> :	5639	_ BP/Sand	PBTD:	5947'
					PERFO	RATION I	RECORD				
Zone		Perfs			#shots		Zone		<u>Perfs</u>		SPF/#shots
D2 sds		4882-4890'		4/32			LDC5 sds	5390	)-5395'		4/20
C sds		4978-4988'		4/40			LDC4 sds		1-5457'		4/24
B2 sds		5112-5136'		4/96			LDC3 sds	~	9-5484'	·····	4/20
A .5 sds		5226-5243'		4/68	<del></del>		LDC2 sds		1-5523'		4/48 4/76
							LDC1 sds	- ×	1-5570'		4//0
D ( )					RONOL	OGICAL C	PERATIONS	_	_	CICD.	0
Date Worl				Jan-01		F001 400		SITP		SICP:	<del></del>
Rig up a	and ma	ike 9 swab i	uns. Ini	itial fluid l	level@	: 500'. 160 5080'( 33	bbls water 8 of fill). TOH	: 28 DDIS OI	Irecovered. DII&MII r	Final t Producti	ion etring as
listed belo	w. Rer	nove 5M fra	c head :	กเอง เลง and instal	ll 3m P	roduction	TBG head. Se	et TAC @5	445 /KB. wit	h 14.00	001 string at
		and prepare								•	
water loss	for the	day is 125	obls. w/	128n bbls	s oil due	e to circulat	tion recovery.				
				·	FLUID F	RECOVER	Y (BBLS)				
Starting flu	uid load	I to be recov	ered:	2723			rec to date:		0		
Fluid lost <u>/r</u>	recover	ed today:	p-w-0	35	••••	Oil lost/rec	overed today:		128		
_		recovered:		2688	****	Cum oil red			128		
IFL: 5	500'	FFL: 12	<u>00'</u> F	FTP:	CI	noke:	Fina	I Fluid Rate	•	_Final c	oil cut: <u>25%</u>
				ON DETA					COST		
Base Fluid	l used:			Job Type	:			Calling and the same of the sa	KES riç	-	
Company:	***************************************								BOF	- ·	
Procedure	or Equ	ipment detai	l:							<del></del> .	***************************************
TUB	ING D	ETAIL	***************************************	ROD	DETA	IL		***************************************	HO tri	<u> </u>	
KB ′	10'							IPC	Supervision	<u>1</u>	
170 <b>Jt's</b>	27/8"、	J-55 @ 543	35.66'								
TAC	(2.80)	544	5.66'								
4 Jt's	27/8"J	-55(127.41)									
SN 1	1.10	@ 557	5.87'								
2 <b>Jt 2</b> 7	7/8" J-⊧	55 62.24'					1175				
N. C	45 E	OT @ 563	9.66								
***************************************					·						
										······································	
		•			***************************************		***************************************	DAILY			\$0
Comple	etion S	Supervisor:	Pa	at wisene	r.			TOTAL W	ELL COST	:	



\$0

DAILY COST:

TOTAL WELL COST:

				DAII	LY COI	MPLETIC	ON REP	ORT			0 0	3 <b>U</b>
WELL I	NAME:	West	Point '	12-5-9-16		Repo	rt Date: ַ		1/31/01	•	Da	y: <u>08</u>
Оре	eration:	New C	omple	etion					Rig:	KES	#965	
					W	ELL STAT	US				<del></del>	
Surf Csg:	8 5/8	@ 303.02	2			Csg: 5 1/2		@	5990.89	Csg F	PBTD:	5980
Tbg:	Size:	2 7/8	Wt:	6.5#	Grd:	J-55	Pkr/ <u>EC</u>	_	5639	BP/Sand F	-	5947'
	-							_				
_		ъ (				RATION I				Dowfo	en	F/#shots
<u>Zone</u> D2 sds		<u>Perfs</u> 4882-4890'		4/32	#shots		Zor LDC5		5390	<u>Perfs</u> -5395'	<u>371</u> 4/2	
C sds		4978-4988'		4/40			LDC4			-5457'	4/2	
B2 sds		5112-5136'		4/96			LDC3			-5484'	4/2	
A .5 sds		5226-5243'		4/68			LDC2	sds	5511	-5523'	4/4	8
							LDC1	sds	5551	-5570'	4/7	6
				CHR	ONOLO	OGICAL C	PERATI	ONS				
Date Wor	k Perfo	rmed:	30-	 Jan-01						:	SICP:	0
FINAL RE	PORT!	to be recove			LUID R	RECOVER	Y (BBLS	<u>5)</u>	1	28		
Fluid lost/	recovere	ed today:		36		Oil lost/rec	overed to	oday:		0		
_	id to be	recovered: _		724		Cum oil re	covered:			28		
IFL:	***************************************	FFL:	F	TP:	Ch	oke:		Fina	I Fluid Rate:	****	Final oil c	ut:
•				h C **	,		A			COST	<u>S</u>	
PR	ODUCTI	ON TBG DET	AIL	2	ROI	D DETAIL				KES rig		
KB 10.0	0'			1 1/2	" X 22'	polished	rod			Sanitation		
170 <u>2 7/</u>	8 J-55 t	bg (5435.66'	)	<u>1-8',</u>	1-4', 1-	2' X 3/4" p	onies			HO trk		
TA (	(2.80' @	5445.66' KI	3	2-3/4	l" plain	rods				Rod pump		
4 2 7/	8 J-55 t	bg (127.41')		87-3	/4" scra	pered ro	ds		"B" grad	le rod string		
SN	(1.10' @	5575.87' KI	 B	119-	3/4" pla	in rods				Trucking		
		bg (62.24')		10-3	/4" scra	pered ro	ds		L	oc. Cleanup		
2 7/	8 NC (.4	·5')		4-1 1	/2" wei	ght rods				Pit reclaim	-	
EOT 563	······			***************************************	***************************************	/2 X 1 1/2	X 15'		V	Vtr disposal		
Marie O Visit Const.				Ç		p W/sm p			Sfo	equipment		
wbwcouwrobhilehodomoo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**************************************			······································					ank (8 days)	- www.connectivi.com	
TA/ <sub>I</sub>	pump f/	PF 14-24-8-	17	One construction of the co					****	Supervision		

Completion Supervisor: Gary Dietz

#### **ATTACHMENT H**

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4832'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	161' balance plug using 19 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 43 sx Class "G" cement down 5 ½" casing to 353'

The approximate cost to plug and abandon this well is \$42,000.

#### West Point 12-5-9-16

Spud Date: 10/23/00 Put on Production: 1/30/01 GL: 5815' KB: 5825'

#### Proposed P & A Wellbore Diagram

TOC @ 25'

Casing shoe @ 303'

Initial Production: 175 BOPD, 145 MCFD, 17 BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#

LENGTH: 7 jnts (296.72') DEPTH LANDED: 303.02' HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt, circ. 6 bbls to surf.

#### Pump 43 sx Class "G" Cement down 5-1/2" casing to 353"

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 141 jnts (6004.89')
DEPTH LANDED: 5990.89'
HOLE SIZE: 7-7/8''

CEMENT DATA: 275 sxs PremLite II & 580 sxs 50/50 POZ

CEMENT TOP AT: 25' per CBL 1/5/01

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1604'-1724')

161' balance plug using 19 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2985'-3146')

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4832'
4882'-4890'
4978'-4988'
5112'-5136'
5390'-5395'
5451'-5457'
5479'-5484'
5511'-5523'
5551'-5570'

SHOE @ 5991'

TD @ 6000'

NEWFIELD

West Point 12-5-9-16 1909' FSL & 377' FWL NW/SW Section 5-T9S-R16E Duchesne Co, Utah API #43-013-31933; Lease #UTU-73087

#### BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

#### THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

#### Greater Monument Butte Unit:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East API 43-013-33050

Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East API 43-013-33452

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of June, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

#### **Newfield Production Company**

WEST POINT U 12-5-9-16, FEDERAL 7-8-9-16, FEDERAL 9-8-9-16, WEST POINT 12-8-9-16, FEDERAL 15-8-9-16, FEDERAL 5-9-9-16, FEDERAL 11A-9-9-16, GOATES FED 1, FEDERAL 13-13-9-16, FEDERAL 1-17-9-16, FEDERAL 15-17-9-16, FEDERAL 3-19-9-16, FEDERAL 5-22-9-16, FEDERAL 16-22-9-16, FEDERAL 5-23-9-16, FEDERAL 9-23, FEDERAL 1-30-9-16

#### Cause No. UIC-395

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail ubs@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 SITLA 675 E 500 S Ste 500 Salt Lake City, UT 84102-2818

Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Sweet



## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 21, 2012

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>isweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure



#### Jean Sweet - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-395

Cindy Kleinfelter <classifieds@ubstandard.com> From:

To: Jean Sweet <jsweet@utah.gov>

Date: 6/22/2012 8:05 AM

Subject: Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-395

#### On 6/21/2012 5:07 PM, Jean Sweet wrote:

#### To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary Utah Div. of Oil, Gas & Mining 1594 West Temple, Suite 1210 Salt Lake City, UT 801-538-5329 jsweet@utah.gov

Received. Thank you. It will run June 26. Cindy



### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

June 21, 2012

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

> Sincerely, Jean Sweet

Jean Sweet

**Executive Secretary** 

Enclosure



From:

"Fultz, Mark" <naclegal@mediaoneutah.com>

To:

<jsweet@utah.gov> 6/22/2012 9:13 AM

Date: Subject:

Legal Notice - UIC 395

Attachments: OrderConf.pdf

AD# 802910

Run Trib/DNews - 6/26

Cost \$448.52 Thank you Mark







#### Order Confirmation for Ad #0000802910-01

Client

DIV OF OIL-GAS & MINING

**Payor Customer** 

**DIV OF OIL-GAS & MINING** 

**Client Phone** 

801-538-5340

Payor Phone

801-538-5340

Account#

9001402352

Payor Account

9001402352

Address

1594 W NORTH TEMP #1210, P.O. BOX 145801 Payor Address

1594 W NORTH TEMP #1210, P.O. BOX

SALT LAKE CITY, UT 84114

SALT LAKE CITY, UT 84114 USA

Fax

801-359-3940

Ordered By

Acct. Exec

**EMail** 

earlenerussell@utah.gov

Jean

mfultz

**Total Amount Payment Amt** 

\$448.52

\$0.00

**Tear Sheets** 

**Proofs Affidavits** 

**Amount Due** 

\$448.52

0

**Payment Method** 

PO Number

**UIC 395** 

**Confirmation Notes:** 

Text:

Jean

Ad Type

Ad Size

Color

Legal Liner

3.0 X 88 Li

<NONE>

**Product** 

Salt Lake Tribune::

**Placement** Legal Liner Notice - 0998 **Position** Public Meeting/Hear-ing Notices

Scheduled Date(s):

06/26/2012

**Product** 

**Placement** 

Legal Liner Notice - 0998

**Position** Public Meeting/Hear-ing Notices

Deseret News:: Scheduled Date(s):

06/26/2012

**Product** 

**Product** 

<u>Placement</u>

Legal Liner Notice - 0998

**Position** Public Meeting/Hear-ing Notices

sltrib.com:: Scheduled Date(s):

06/26/2012

**Placement** 

**Position** 

utahlegals.com::

utahlegals.com

utahlegals.com

Scheduled Date(s):

06/26/2012

**Order Confirmation** for Ad #0000802910-01

**Ad Content Proof Actual Size** 

## Order Confirmation for Ad #0000802910-01

#### Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRA-TIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commenting an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Derver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Buttle Unit:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 API 43-012-31933 Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East API 43-013-33056 Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East API 43-013-33058 West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 API 43-013-32286 Federal 15:8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East API 43-013-33060 Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East API 43-013-32916 Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East API 43-013-33050 Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East API 43-013-15789 Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East API 43-013-32650 Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East API 43-013-33028 Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 Fast API 43-013-33037 Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 API 43-013-33064 Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 Fast Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 API 43-013-33394 Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 Fast API 43-013-32960 Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 1.6 East API 43-013-30654 Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 1.6 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based at fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a writter protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, prore rumber (801) 528-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestarts and/or interverers should be prepared to demonstrate at the hearing how this matter affects their interests.

Dared this 20th day of June, 2012. STATE OF UTAH DIVISION OF OIL, GAS & MINING /5/ Brad Hill Permitting Manager 802910

API 43-013-33452



#### Duchesne County Planning, Zoning & Community Development 734 North Center Street P.O. Box 317 Duchesne, Utah 84021 (435) 738-1152 Fax (435) 738-5522

June 26, 2012

RECEIVED

Mr. Brad Hill, Permitting Manager Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801 JUN 27 2012

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP

Community Development Administrator

pc: Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052

P:\Mike\DOGM Correspondence\Newfield Injection Wells26.doc

Send Payments to: Uintah Basin Standard 268 S 200 E Roosevelt, Utah 84066

Phone: 435-722-5131 Fax: 435-722-4140

DIV. OF OIL, ORBIGHISET NO. www.ubstandard.com

www.vernal.com

Invoice Number

Invoice Date

32047

6/26/2012

invoice Amount

**Due Date** 

2080

\$176.25

7/26/2012

**DIVISION OF OIL GAS & MINING** Rose Nolton 1594 W. N.TEMPLE STE 121 PO BOX 145801

**SALT LAKE CITY, UT 84114-5801** 

1 1/2% fee will be charged to all past due balances.

**Amount Enclosed** 

Please detach top portion and return with your payment

#### INVOICE

intah Basir	ntah Basin Standard DIVISION		DIVISION OF OIL GAS & MINING		Invoice	6/26/2012	
Date	Order		Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012 16065 UBS	UBS	UBS Legal Notice: Not of Agcy Actn: Cause No. UIC-395 Pub. June 26, 2012	·			\$176.25	
						Sub Total:	\$176.25
				Total Transactions:	1	Total:	\$176.25

SUMMARY

Advertiser No.

2080

Invoice No.

32047

1 1/2% fee will be charged to all past due balances. Thank You for your business!

Thank you for advertising with us, we appreciate your business!

#### AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

Publisher

Subscribed and sworn to before me on this

by Kevin Ashby.

day of

Notary Public

20 /



Notary Public BONNIE PARRISH Commission #653427 My Commission Expires February 23, 2016 State of Utah

or implied, regarding or warranty, express NG tususon made without covenant DC4 Said sale will be Section 30, thuos 6 dids Richards. A usutsN si Ausdord 16 East CA tooldus out to norwo 43-013-33455 The current reputed : proceeding will '88L6-£000 inducted in ac-Land Serial No. 00nce with Utah BE 759M n. R649-10, Ad-VISH 0001 101 (BW-10-14811 strative Proce-AND out to applied to the Politic PAR -upled to the bount of bedding and of sected zones in the URA pur '87 uoito 8 pirs 10 1 River Formation STA narrer outlines outhwest Quarter -ixam The mariet of the maxi-IN OF -safui patsaupar to the West line of the TIC 'ssaj uo alour '82 uou pressures and rates FIE pe determined be determined be determined be determined be determined TIC -dus noitamont the Northwest Quar- 104 TIV lo sill, thuo2 sit of eq ph Newlield to sill, thuo2 sit of eq ph Newlield OF. LO 159M ..97.07.68 unos .ny person desir-17. Jo Japuno Jeanques dication or oththe sustainty as west Quarter of the SO -tubest line of the North- OS East line of the North- OS CC 55'65 1583 .. 05'85'00 notice of interven-CI. dinos sonati 88, noti u with the Division 123 year of the Southwest UT JENO ISAMULION BY this notice. The Di-SC to acid units of the court IN lallang, 1991 79.841 et touthe bloceeqing 197,02,68 YUON Brad Hill, Permitting eoueti sein eoue pries anager, at P.O. Box guola, 1591 88.988 '2801' Salt Take Cità enod, 1085-11148T Sonth 33°10'31" East Jo in energy in fence line; thence ui -isixə pies ui juiod 140. If such a protest elgne ne of enil eanel uotice of intervenbies gnole, 1991 80.045 ou is received, a hearpsheps and line is thence 39,59,28" East if no iniog a of ,82 noil se aforementioned -oad bies To Tanter Quainistrative buoisəmunos equ jo jet edural rules. Protes--next Onsign of the Morthwest Quar-Jo ouil unos our or its should be prepared the parallel feet, parallel 1982 ... East North 89°20'46" East estimate a section 28; their interests. pies to narren Quarter this 20th day control of June, 2012. line of the Northwest STATE OF UTAH teet, along the West DIVISION OF OIL. LS'115 ISOM "82'77'0 GAS & MINING running thence North /s/ said Section 28, and **Brad Hill** Southwest Quarter of Permitting Manager

SECTION SECTION CIAL BASE & ME-

west Quarter of the

Beginning at a point which bears 49.50 feet Morth 00.47'28" West along the West line of the Morthwest Quarter Southwest Quarter of said Section 28, ter of said Section 28,

brabard nizad data Councer of the North-

isəmuinos əqi moij June26, 2012.

Published in the

# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant:	Newfield Production Company	Well:	West Point 12-5-9-16	
Location:	5/9S/16E	API:	43-013-31933	

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 303 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,991 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,790 feet. A 2 7/8 inch tubing with a packer will be set at 4,832 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 15 producing wells and 8 injection wells in the AOR. Three of the producing wells are directionally drilled, with a surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are 3 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Also, there is 1 approved surface location inside the AOR from which a directional well will be drilled to a bottom hole locations outside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1300 feet. Injection shall be limited to the interval between 4,141 feet and 5,980 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-5-9-16 well is 0.85 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,087 psig. The requested maximum pressure is 2,087 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

West Point 12-5-9-16 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold	Date: _11/16/2012
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Lieutenant Governor

## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

January 15, 2013

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: West Point U 12-5-9-16, Section 5, Township 9 South, Range 16

East, SLBM, Duchesne County, Utah, API Well # 43-013-31933

#### Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 4,141 feet in the West Point U 12-5-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers

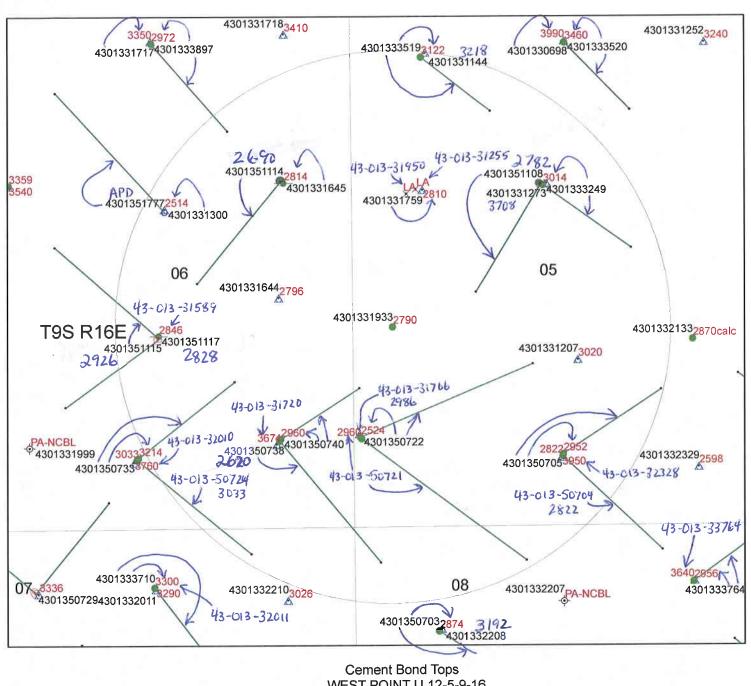
Associate Director

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal **Duchesne County** Newfield Production Company, Myton

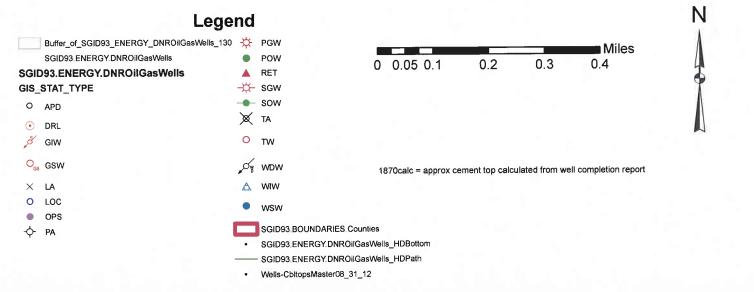
Well File

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Cement Bond Tops WEST POINT U 12-5-9-16 API #43-013-31933 UIC 395.1



, Sundry Number: 40648 API Well Number: 43013319330000

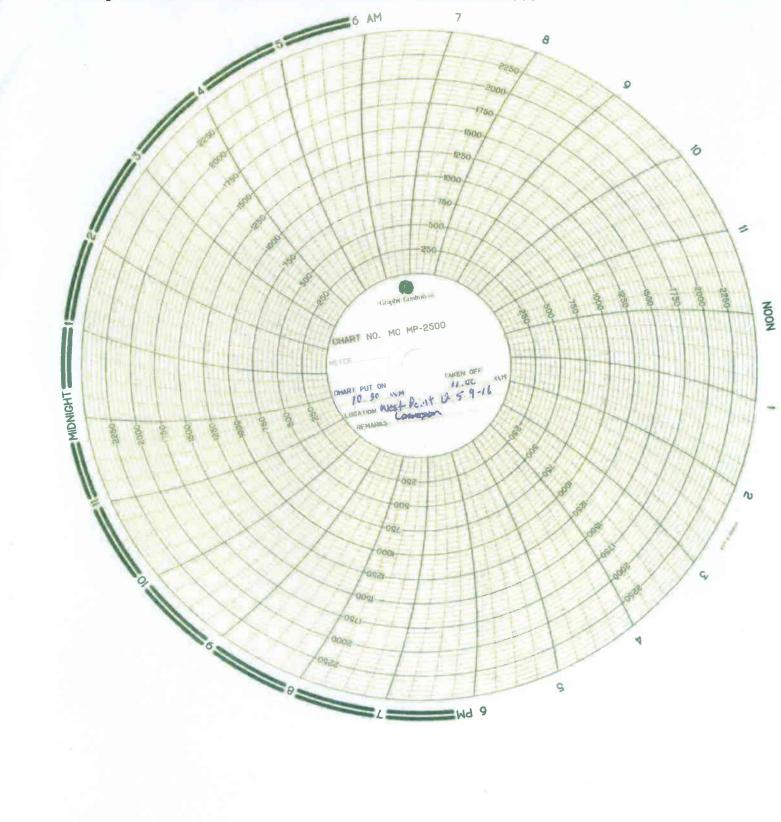
	STATE OF UTAH		FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73087	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: WEST POINT U 12-5-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013319330000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: 5 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1909 FSL 0377 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 09.0S Range: 16.0E Meridian: S			COUNTY: DUCHESNE	
			STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
,	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	<b>✓</b> CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
7/30/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
			1	
The subject well has been converted from a producing oil well to an injection well on 07/24/2013. On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 01, 2013				
NAME (PLEASE PRINT) Lucy Chavez-Naupoto SIGNATURE N/A	<b>PHONE NUMB</b> 435 646-4874	TITLE Water Services Technician  DATE 8/1/2013		

## Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

	43	35-646-3721		
Witness:(	Mris Lenson  ted by: But Je	Date <u>} 1301 </u>	13 Time 10.30	am pm
Others Prese	, , , , , , , , , , , , , , , , , , , ,			
#	st point 10-5-9 16.		convenent butte	
Well Locat	ion: NW/SW Sec 5, T	95 RIGE API No: 4.	3-013-31933	
	Duchesne County,	effects		
	,	Lonvertion		
	<u>Time</u>	Casing Pressur	<u>e</u>	
	0 min	(000)	psig	
	5	1000	psig	
	10	1800	psig	
	15	1000	psig	
	20	1000	psig	
	25	1000	psig	
	30 min	1000	psig	
	35		psig	
	40		psig	
	45		psig	
	50		psig	
	55		psig	
	60 min		psig	
	Tubing pressure:	<del> </del>	psig	
	Result:	Pass	Fail	
			,	
Signature o	of Witness:	Jewsen		
Sia	nature of Borgon Condu	oting Toot:		

Sundry Number: 40648 API Well Number: 43013319330000



Sundry Number: 40648 API Well Number: 43013319330000 Summary Rig Activity

Page 1 of 4

#### **Daily Activity Report**

## Format For Sundry W POINT 12-5-9-16 5/1/2013 To 9/30/2013

7/22/2013 Day: 2

Conversion

Wild cat #2 on 7/22/2013 - FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO

Sundry Number: 40648 API Well Number: 43013319330000

Summary Rig Activity

Page 2 of 4

8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL -2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 2:00PM TO 4:00PM TRAVEL TO LOCATION 4:00PM TO 5:30PM RIG UP RIG 5:30PM TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM FLUSHED 60 BBLS ON CSG @250DEG 8:00AM TO 9:30AM UNSEATED PUMP LD POLISH ROD AND 2 RODS PU POLISH ROD FLUSHED 40 BBLS ON TBG @250 DEG 9:30AM TO 10:00AM SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT WH/TBG TO 3K PSI GOOD TEST 10:00AM TO 1:00PM LD POLISH ROD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 1-3/4"X8' PONY ROD, 88-3/4" 4-PER GUIDED RODS, 69-3/4" SLICK SUCKER RODS, 61-3/4" 4-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1-2.5"X1.25"X16' RHAC PUMP 1:00PM TO 2:00PM RIH W/ SANDLINE TAGGED FILL @5662' 2:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR TOOH 8 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE SIWFN 4:00PM TO 5:30PM CREW TRAVEL Finalized

Daily Cost: \$0

**Cumulative Cost:** \$20,343

#### 7/23/2013 Day: 3

Conversion

Wild cat #2 on 7/23/2013 - TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 5:30PM BLEW DOWN WELL TOOH 162 JTS BREAKING EVERY COLLAR RE-DOPING W/ LIQUID O-RING GREEN DOPE FLUSHED 30 BBLS ON CSG @250DEG 5:30PM TO 7:00PM FLUSHED TBG W/ 25 BBLS @250DEG LD 19-JTS, 1-TAC, 1-SEAT NIPPLE, 1-NOTCHED COLLAR 7:00PM TO 8:30PM CREW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$28,183

#### 7/24/2013 Day: 4

Conversion

Wild cat #2 on 7/24/2013 - 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT

Sundry Number: 40648 API Well Number: 43013319330000

Summary Rig Activity Page 3 of 4

NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM BLEW DOWN WELL TIH W/ 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-SWEDGE, 1-5 1/2" PKR DRESSED FOR 15.5# CSG, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 151-2 7/8" J-55 TBG 9:00AM TO 11:00AM PUMPED 10 BBLS ON TBG DROPPED STANDING VALVE CHASED W/ STANDING VAVLEPRESSURE TESTED TO 3K# BAD TEST BLEW HOLE IN TBG 11:00AM TO 2:00PM TOOH LD JTS 130, 131, 132, TOOH TO SEAT NIPPLE RETRIEVED STANDING VALVE 2:00PM TO 5:00PM TIH W/ BHA, 151-JTS TBG 5:00PM TO 6:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS SIWFN 6:30PM TO 8:00PM CREW TRAVEL

Daily Cost: \$0

**Cumulative Cost:** \$36,220

#### 7/25/2013 Day: 5

Conversion

Wild cat #2 on 7/25/2013 - 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST RIH W/ SANDLINE RETRIEVED STANDING VALVE 10:00AM TO 11:30AM RU RIG FLOOR ND BOPS NU INJECTION TREE LANDED WELL PUMPED 50 BBLS OF PKR FLUID ON CSG ND INJECTION TREE SET PKR W/ 15K # TENSION NU INJECTION TREE 11:30AM TO 6:30PM PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 6:30PM TO 8:00PM CREW TRAVEL

Finalized
Daily Cost: \$0

**Cumulative Cost: \$43,623** 

7/31/2013 Day: 6

Conversion

Rigless on 7/31/2013 - Conduct initial MIT - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test.

Page 4 of 4

There was a State representative available to witness the test - Chris Jensen. - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/30/2013 the casina was pressured up to 1000 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was a State representative available to witness the test - Chris Jensen. Finalized

Daily Cost: \$0

**Cumulative Cost: \$75,835** 

Pertinent Files: Go to File List

API #43-013-31933; Lease #UTU-73087

West Point 12-5-9-16 Spud Date: 10/23/00 Put on Production: 1/30/01 Initial Production: 175 BOPD, GL: 5815' KB: 5825' 145 MCFD, 17 BWPD Injection Wellbore Diagram SURFACE CASING FRAC JOB TOC @ 25 CSG SIZE 8-5/8" 1/24/01 5390'-5570' Frac LDC sands as follows: 213,180# 20/40 sand in 1375 bbls Viking J-25 fluid Treated w/ avg press of 2700 psi @ 36.5 BPM ISIP 2750 psi Calc flush GRADE: J-55 WEIGHT 24# 5390 gal Actual flush: 5355 gal LENGTH 7 jnts (296 72') 1/25/01 5112'-5243' Frac A/B sands as follows: DEPTH LANDED 303 02 Casing shoe @ 303' 227,120# 20/40 sand in 1452 bbls Viking 1-25 fluid Treated w/ avg press of 1800 psi @ 31 2 BPM ISIP 2120 psi Calc flush 5112 gal Actual flush 5040 gal HOLE SIZE [2-1/4" CEMENT DATA 155 sxs Class "G" cmt, circ 6 bbls to surf. Frac D/C sands as follows: 1/26/01 4882'-4988' 83,000# 20/40 sand in 577 bbls Viking I-25 fluid Treated w/ avg press of 1800 psi @ 30 BPM ISIP 2135 psi Calc flush: 4882 gal Actual flush: 4788 gal 9/24/01 Pump change. Update rod and tubing details PRODUCTION CASING Pump Change. Update rod and tubing detail 11/24/03 CSG SIZE 5-1/2" 2/27/04 Tubing leak. Update rod and tubing detail GRADE J-55 12/22/04 Pump Change. Update rod and tubing details 07/24/13 Convert to Injection Well WEIGHT 15 5# 07/30/13 Conversion MIT Finalized - update tbg LENGTH: 141 jnts (6004 89') DEPTH LANDED 5990 891 HOLE SIZE 7-7/8" CEMENT DATA 275 sxs PremLite II & 580 sxs 50/50 POZ CEMENT TOP AT 25' per CBL 1/5/01 TUBING SIZE/GRADE/WT 2-7/8" / J-55 / 6 5# NO OF JOINTS 151 jts (4813') SEATING NIPPLE 2-7/8" (1 10') SN LANDED AT 4825' KB RET TOOL AT 4826 11 ARROW #I PACKER CE AT 4831 31 SWEDGE AT 4835 SN @ 4825\* TBG PUP 2-3/8 J-55 AT 4835 5\* X/N NIPPLE AT 4839 6' Ret Tool @ 4826 TOTAL STRING LENGTH EOT @ 4841 17' Packer @ 4831' X/N Nipple @ 4840' EOT @ 4841 4882-4890 4978-4988 5112-5136 5226-52431 PERFORATION RECORD 5390'-5395' 5390'-5395' 1/23/01 20 holes 1/23/01 5451'-5457' 24 holes 5479'-5484' 5451"-5457" 1/23/01 20 holes 1/23/01 5511'-5523' 48 holes 5479-54841 1/23/01 55511-5570 76 holes 5511'-5523' 1/24/01 5226 -5243 68 holes 1/24/01 5112'-5136' 96 holes 5551'-5570' 1/25/01 4978'-4988 40 holes 1/25/01 4882'-4890' 32 holes **NEWFIELD** PBTD @ 5980' SHOE @ 5991 West Point 12-5-9-16 TD @ 6000, 1909' FSL & 377' FWL NW/SW Section 5-T9S-R16E LCN 07/31/11 Duchesne Co, Utah



### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

#### Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

#### UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-395

Operator:

Newfield Production Company

Well:

West Point U 12-5-9-16

Location:

Section 5, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-31933

Well Type:

Enhanced Recovery (waterflood)

#### **Stipulations of Permit Approval**

- 1. Approval for conversion to Injection Well issued on January 15, 2013.
- 2. Maximum Allowable Injection Pressure: 2,000 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (4,141' – 5,980')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

ciate Director

9/4/2013

JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal Eric Sundberg, Newfield Production Company, Denver Newfield Production Company, Myton **Duchesne County** 

Well File

N:\O&G Reviewed Docs\ChronFile\UIC



Sundry Number: 42338 API Well Number: 43013319330000

	STATE OF UTAH			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73087	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Water Injection Well			1 distribution	8. WELL NAME and NUMBER: WEST POINT U 12-5-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY			9. API NUMBER: 43013319330000
3. ADDRESS OF OPERATOR: PHONE NUMBER: Rt 3 Box 3630 , Myton, UT, 84052 435 646-4825 Ext				9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: DUCHESNE	
1909 FSL 0377 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 09.0S Range: 16.0E Meridian: S			S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDIC	CATE N	ATURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	✓ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ <b>F</b>	RACTURE TREAT	NEW CONSTRUCTION
9/5/2013	OPERATOR CHANGE	☐ F	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ 6	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		BI TA STATUS EXTENSION	APD EXTENSION
inaport Suitor	WILDCAT WELL DETERMINATION	П	OTHER	OTHER:
				· · · · · · · · · · · · · · · · · · ·
	completed operations. Clearly shore erence well was put on inj 09/05/2013.			Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 09, 2013
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	<b>PHONE NU</b> 435 646-487		TITLE Water Services Technician	
SIGNATURE N/A			<b>DATE</b> 9/6/2013	